

APPENDIX NO.IX

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
 Test System : Sprague Dawley Rat

Sex : Male

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
 (Acclimation)

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	3	2	3	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	1	2	1	2	2	2	2
Reaction to handling (1-4)	1	2	2	1	2	2	1	1	1	2
Urination (0-2)	0	1	1	1	1	0	1	1	1	1
Defecation (0-2)	1	0	1	0	0	1	1	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	9	11	13	10	11	12	15	8	10	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
(Acclimation)

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	3	3	2	2	2	2	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	2	2	2
Reaction to handling (1-4)	1	2	2	2	2	1	2	2	1	2
Urination (0-2)	1	0	1	1	1	0	1	0	1	1
Defecation (0-2)	0	1	1	1	1	0	1	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	9	11	13	14	11	15	9	12	8
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
(Acclimation)

Parameters (Grades)	Animal Number									
	21	22	23	24	25	26	27	28	29	30
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	2	3	2	2	3	3	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	2	2	1	2	1	2	2	1
Reaction to handling (1-4)	2	1	1	1	2	1	2	1	2	2
Urination (0-2)	1	1	1	1	0	1	1	1	0	1
Defecation (0-2)	1	1	1	1	1	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	10	12	14	10	12	15	11	10	11	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

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Laboratory Test Item Code : TAS/002/015
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Sex : Male

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
(Acclimation)

Parameters (Grades)	Animal Number									
	31	32	33	34	35	36	37	38	39	40
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	2	1	2	2	2	1	1
Reaction to handling (1-4)	1	2	1	1	1	1	2	2	2	1
Urination (0-2)	0	1	1	1	0	1	1	1	0	1
Defecation (0-2)	1	1	0	0	1	1	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	8	12	15	11	10	9	13	10	12	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

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Sex : Male

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
(Acclimation)

Parameters (Grades)	Animal Number									
	41	42	43	44	45	46	47	48	49	50
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	2	2	2	2	2	2	3	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	1	1	2	2	2	1
Reaction to handling (1-4)	1	1	2	2	1	1	2	1	1	1
Urination (0-2)	1	1	0	1	1	0	1	1	1	1
Defecation (0-2)	1	1	1	0	0	0	1	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	9	12	11	9	10	10	12	15	9	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

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Sex : Male

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
(Acclimation)

Parameters (Grades)	Animal Number								
	51	52	53	54	55	56	57	58	59
a) Home Cage Observations									
Behavior in Home cage (1-5)	2	2	3	3	3	2	2	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1
b) Handling Observations									
Reaction to removal (1-4)	2	2	2	1	2	2	2	1	1
Reaction to handling (1-4)	2	2	1	2	1	1	1	2	2
Urination (0-2)	1	0	1	0	0	1	0	0	0
Defecation (0-2)	0	0	0	0	1	1	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1
c) Open Field Observations									
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	8	11	15	12	15	9	10	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
(Acclimation)

Parameters (Grades)	Animal Number									
	66	67	68	69	70	71	72	73	74	75
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	3	2	3	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	1	2	1	2	2	1	2
Reaction to handling (1-4)	1	1	1	2	1	1	2	1	1	2
Urination (0-2)	0	1	0	1	1	1	1	1	1	1
Defecation (0-2)	0	1	1	1	1	1	1	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	9	12	10	15	10	13	11	16	12	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
(Acclimation)

Parameters (Grades)	Animal Number									
	76	77	78	79	80	81	82	83	84	85
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	3	2	3	2	2	2	2	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	2	2	1
Reaction to handling (1-4)	1	2	1	1	2	1	2	2	1	1
Urination (0-2)	0	0	1	0	1	0	1	1	1	1
Defecation (0-2)	1	0	0	0	0	0	1	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	8	11	13	10	12	13	8	10	9	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

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Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
(Acclimation)

Parameters (Grades)	Animal Number									
	86	87	88	89	90	91	92	93	94	95
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	3	3	3	2	3	2	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	2	1	1	1	2	2	2	1
Reaction to handling (1-4)	2	1	1	2	2	2	1	1	2	1
Urination (0-2)	1	1	1	1	1	0	0	0	1	1
Defecation (0-2)	1	1	0	0	1	1	1	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	16	11	13	10	12	14	12	11	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
(Acclimation)

Parameters (Grades)	Animal Number									
	96	97	98	99	100	101	102	103	104	105
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	3	3	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	2	1	2	1	2	2	1
Reaction to handling (1-4)	1	2	1	1	1	1	2	2	1	2
Urination (0-2)	0	1	1	0	1	1	1	1	1	1
Defecation (0-2)	0	0	0	0	1	0	1	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	9	13	15	10	12	14	11	13	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
(Acclimation)

Parameters (Grades)	Animal Number									
	106	107	108	109	110	111	112	113	114	115
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	3	2	3	2	2	2	2	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	2	1	1	1	1	2	2	2	1
Reaction to handling (1-4)	1	2	1	2	1	1	1	1	1	2
Urination (0-2)	1	0	1	0	1	0	1	0	0	0
Defecation (0-2)	1	0	1	1	1	1	1	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	10	8	11	12	14	13	15	9	11	10
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : Not Applicable

Dose : Not Applicable

Time : Before dosing
(Acclimation)

Parameters (Grades)	Animal Number								
	116	117	118	119	120	121	122	123	124
a) Home Cage Observations									
Behavior in Home cage (1-5)	3	2	2	3	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1
b) Handling Observations									
Reaction to removal (1-4)	2	1	2	2	2	2	2	1	2
Reaction to handling (1-4)	1	2	1	2	1	1	1	2	2
Urination (0-2)	1	1	1	1	0	0	0	1	1
Defecation (0-2)	0	1	1	0	0	1	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1
c) Open Field Observations									
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	11	12	16	11	10	12	11	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 1st week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	3	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	1	2	1	2	2	1
Reaction to handling (1-4)	1	1	2	2	1	2	1	2	2	1
Urination (0-2)	0	1	0	1	1	1	0	1	0	1
Defecation (0-2)	0	1	1	1	0	1	1	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	9	12	11	15	12	11	10	13	11	8
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 1st week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	3	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	2	1	2	2	1	2	2
Reaction to handling (1-4)	1	2	1	2	1	1	1	2	1	1
Urination (0-2)	0	1	0	1	1	1	1	0	1	1
Defecation (0-2)	1	1	1	1	0	1	0	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	10	15	9	12	16	13	11	14	10	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 1st week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	2	1	2	1
Reaction to handling (1-4)	1	1	2	1	1	2
Urination (0-2)	0	1	1	1	0	1
Defecation (0-2)	0	1	0	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	12	8	15	13	10	8
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 1st week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	2	2	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	2	2	2
Reaction to handling (1-4)	1	2	2	1	1	1
Urination (0-2)	0	1	1	1	1	0
Defecation (0-2)	0	1	0	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	9	10	15	13	12	11
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 1st week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	3	3	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	1	2	1	1	2	2	1
Reaction to handling (1-4)	1	1	2	1	2	1	1	1	1	2
Urination (0-2)	0	1	0	1	0	1	1	1	1	1
Defecation (0-2)	0	1	1	1	1	1	0	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	10	15	11	13	9	11	14	12	10	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 1st week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	3	3	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	2	2	2	1	2	1	1
Reaction to handling (1-4)	1	1	1	2	1	2	1	2	1	1
Urination (0-2)	0	1	1	1	0	1	0	1	0	0
Defecation (0-2)	1	0	1	0	1	0	0	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	14	12	9	10	13	12	14	11	16
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 1st week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	3	2	3	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	1	1	2	1	2	1	2
Reaction to handling (1-4)	1	2	1	1	2	1	2	1	2	1
Urination (0-2)	0	1	0	1	1	1	1	0	1	0
Defecation (0-2)	0	1	1	1	1	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	9	12	14	10	15	12	11	13	10
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 1st week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	3	2	3	2	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	1	2	1	2	2	2	1
Reaction to handling (1-4)	1	1	1	1	2	1	2	1	2	2
Urination (0-2)	0	1	0	1	1	1	1	0	1	0
Defecation (0-2)	0	1	1	1	0	1	1	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	9	15	10	11	14	15	12	10	13	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 1st week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	3	3	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	1	1	1	2	1	2	1
Reaction to handling (1-4)	1	1	1	2	1	2	1	2	2	2
Urination (0-2)	0	1	1	1	1	0	1	1	0	1
Defecation (0-2)	0	1	0	0	1	1	1	1	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	10	9	15	11	13	12	11	15	12	16
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 1st week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	3	2	2	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	1	2	1	2	2	1	2
Reaction to handling (1-4)	1	1	1	2	1	2	1	2	1	1
Urination (0-2)	0	1	1	1	0	1	1	1	0	0
Defecation (0-2)	1	1	1	1	0	1	0	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	10	8	13	14	16	12	15	13	12	10
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 1st week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	2	3	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	2	2	1
Reaction to bandling (1-4)	1	2	2	1	2	1
Urination (0-2)	0	1	1	0	1	1
Defecation (0-2)	0	1	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	9	11	13	15	10	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 1st week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	2	1	2	1
Reaction to handling (1-4)	1	1	2	1	2	2
Urination (0-2)	0	1	1	1	0	1
Defecation (0-2)	0	1	1	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	16	15	13	14	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 2nd week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	2	1	1	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	2	1	1	1
Urination (0-2)	0	1	1	0	1	1	0	1	0	0
Defecation (0-2)	0	0	0	1	1	0	1	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	10	12	13	16	11	13	12	14	12	10
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 2nd week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	2	3	2	2	3	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	2	1	2	1	1	2
Reaction to handling (1-4)	1	1	2	1	2	1	1	1	2	1
Urination (0-2)	0	1	1	0	1	0	1	0	1	1
Defecation (0-2)	1	1	0	1	1	1	0	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	12	15	13	13	12	14	13	12	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 2nd week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	2	1
Urination (0-2)	0	1	1	0	1	0
Defecation (0-2)	1	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	13	10	16	14	11	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 2nd week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	3	2	3	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	2	1	1
Reaction to handling (1-4)	2	1	1	2	1	2
Urination (0-2)	1	1	0	1	0	1
Defecation (0-2)	0	1	0	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	14	12	12	15	13	14
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 2nd week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	3	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	2	1	1	1	1	2	1
Reaction to handling (1-4)	1	1	1	2	1	1	2	1	1	1
Urination (0-2)	0	1	1	0	0	1	0	1	1	1
Defecation (0-2)	0	1	0	0	0	0	1	1	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	16	12	13	12	13	15	11	11	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 2nd week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	2	2	3	3	2	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	2	1	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	2	1	1	2	1	1
Urination (0-2)	0	1	1	0	1	0	0	1	1	0
Defecation (0-2)	1	0	1	1	0	1	0	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	13	13	14	12	13	15	12	17	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 2nd week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	3	2	2	2	3	2	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	1	2	1	1	2	2	2	1
Reaction to handling (1-4)	1	1	2	1	1	2	1	1	1	1
Urination (0-2)	1	0	1	1	1	0	1	0	0	1
Defecation (0-2)	0	1	1	0	1	1	1	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	12	11	16	13	10	12	13	15	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 2nd week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	3	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	1	2	1	2	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	2	1	1	2	1
Urination (0-2)	0	1	0	0	1	0	1	1	0	0
Defecation (0-2)	1	1	0	1	1	1	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	16	12	13	14	13	15	12	16	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 2nd week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	3	2	2	2	3	2	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	1	1	1	2	2	1	1	1
Reaction to handling (1-4)	1	2	2	1	2	1	1	2	1	2
Urination (0-2)	1	1	1	0	0	1	1	0	1	0
Defecation (0-2)	1	0	1	1	1	0	1	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	11	15	13	16	12	11	13	15	16
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 2nd week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	3	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	2	2	1	2	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	2	1	1	2	1
Urination (0-2)	0	1	1	1	0	1	0	1	1	1
Defecation (0-2)	1	0	1	1	1	0	1	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	13	12	16	17	14	15	16	13	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 2nd week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	2	1
Reaction to handling (1-4)	1	1	2	1	2	2
Urination (0-2)	1	1	1	0	1	0
Defecation (0-2)	1	0	1	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	15	14	11	13	15	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 2nd week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	2	1	2	1
Reaction to handling (1-4)	1	2	1	2	2	1
Urination (0-2)	0	1	1	0	1	0
Defecation (0-2)	1	0	1	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	12	16	14	15	16	13
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 3rd week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	2	1	1	1	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	1	1	2	1
Urination (0-2)	0	1	0	1	0	0	0	1	0	0
Defecation (0-2)	0	0	1	0	1	0	0	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	14	15	15	12	16	13	17	13	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 3rd week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	2	1	1	1	1	1	1
Reaction to handling (1-4)	1	2	1	2	1	1	1	1	1	1
Urination (0-2)	0	1	0	0	1	0	0	0	1	0
Defecation (0-2)	0	1	0	1	0	0	0	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	13	16	14	14	13	16	15	13	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 3rd week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	0	1	0	1	0
Defecation (0-2)	0	1	0	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	15	11	17	13	12	15
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 3rd week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	1	0	0	0	1
Defecation (0-2)	1	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	15	13	16	14	15	16
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 3rd week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	1	1	2	1
Urination (0-2)	0	1	1	0	0	0	1	0	1	0
Defecation (0-2)	0	1	0	0	1	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	15	13	14	12	15	16	12	13	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 3rd week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	2	2	1	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	1	1	2	1	1	1
Urination (0-2)	0	0	0	1	0	1	0	1	0	0
Defecation (0-2)	0	1	0	0	0	1	0	0	1	0
Proninence of Eye (1-3)	1	1	1	1	1	1	1	1*	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	14	15	12	14	15	17	13	18	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 3rd week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	2	2	2	3	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	1	1	1	1
Urination (0-2)	0	0	1	0	1	0	0	1	0	0
Defecation (0-2)	0	0	1	1	0	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	13	12	15	14	11	13	14	16	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 3rd week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	2	2	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	2	1	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	1	2	1	1	1	1
Urination (0-2)	0	1	0	0	0	0	0	0	1	1
Defecation (0-2)	0	1	0	0	1	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	17	14	15	16	14	16	15	11	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 3rd week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	2	1	1	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	1	1	1	2
Urination (0-2)	0	1	0	0	0	0	0	1	0	1
Defecation (0-2)	0	0	0	1	0	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	12	16	14	17	13	12	14	16	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 3rd week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	2	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	2	1	1	1
Urination (0-2)	0	1	0	0	0	1	0	0	1	0
Defecation (0-2)	0	1	0	0	0	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	15	16	17	15	16	17	18	14	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 3rd week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpehral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	1	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	16	15	12	13	14	13
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 3rd week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	2	2	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	2	2	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	0	1	0	0	1
Defecation (0-2)	0	1	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	13	17	15	16	17	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 4th week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	1	2	1	1	1	1
Urination (0-2)	0	0	0	1	0	1	0	1	0	0
Defecation (0-2)	0	1	0	0	0	1	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	15	16	17	13	17	14	16	14	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 4th week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	2	1	1	1
Urination (0-2)	0	1	1	0	1	0	0	0	0	0
Defecation (0-2)	1	0	0	0	1	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	14	17	15	15	16	17	14	13	17
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2) *	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 4th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	2	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	0	0	1	0	1
Defecation (0-2)	0	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	16	12	16	14	13	17
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 4th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	1	2
Reaction to handling (1-4)	1	1	1	2	1	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	1	1	0	0	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Pilocrection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	16	14	18	15	16	18
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 4th week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	2	1	1	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	2	1	1	1	1	1
Urination (0-2)	0	1	0	0	0	0	1	0	1	0
Defecation (0-2)	1	0	1	1	0	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	16	14	15	13	16	18	11	13	16
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 4th week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	3	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	2	1	1	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	2	1	1	1
Urination (0-2)	0	1	0	1	1	0	0	1	0	0
Defecation (0-2)	0	0	0	1	0	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	18	15	16	14	16	14	18	15	19	16
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 4th week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	1	1	1
Urination (0-2)	0	1	0	0	0	0	1	0	1	0
Defecation (0-2)	0	1	0	0	1	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	17	13	14	16	15	12	12	16	17	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 4th week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	2	1	1	1
Urination (0-2)	0	1	0	1	0	0	0	0	0	0
Defecation (0-2)	0	0	0	0	0	0	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	18	15	16	17	16	17	16	12	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 4th week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	3	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	1	1	1
Urination (0-2)	0	1	0	1	0	0	0	0	0	0
Defecation (0-2)	0	0	0	0	1	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	13	15	16	18	14	13	16	17	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 4th week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	1	2	1
Reaction to handling (1-4)	1	2	1	1	1	1	2	1	1	1
Urination (0-2)	0	1	0	0	0	0	1	0	0	0
Defecation (0-2)	1	0	0	0	1	0	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	16	17	16	14	17	18	19	15	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 4th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1
Urination (0-2)	0	1	0	1	0	0
Defecation (0-2)	1	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	17	16	13	14	16	17
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 4th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	2
Urination (0-2)	0	0	1	0	0	0
Defecation (0-2)	1	0	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	14	18	16	16	15	14
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 5th week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	2	3	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	1	1	1
Urination (0-2)	0	1	0	0	0	0	0	1	0	1
Defecation (0-2)	0	1	0	0	0	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	16	17	16	15	18	15	17	15	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 5th week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	3	2	3	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	2	1	1	2
Reaction to handling (1-4)	1	1	2	1	1	1	2	1	1	2
Urination (0-2)	1	1	0	1	1	0	1	0	1	1
Defecation (0-2)	1	1	0	1	0	0	1	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	17	16	18	14	16	18	15	14	19
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 5th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	1	2	2	1
Reaction to handling (1-4)	1	1	2	1	1	2
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	1	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	18	13	15	17	14	18
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 5th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	2	1	1	1	1	2
Reaction to handling (1-4)	1	1	1	2	1	1
Urination (0-2)	0	0	1	1	0	0
Defecation (0-2)	0	1	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	16	15	19	16	17	19
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 5th week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	1	2	1	1	2	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	1	2	1
Urination (0-2)	0	1	0	0	0	0	1	1	0	1
Defecation (0-2)	0	1	0	0	1	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	17	15	16	15	17	19	12	14	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 5th week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	3	2	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	1	1	2	1
Reaction to handling (1-4)	1	1	1	1	2	1	2	1	1	1
Urination (0-2)	0	1	0	1	0	0	1	0	1	0
Defecation (0-2)	1	0	0	1	0	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	19	16	17	15	16	18	19	16	18	17
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 5th week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	2	3	3	2	2	3	2	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	1	2	2	1	1	1	2	1
Reaction to handling (1-4)	1	2	1	1	1	1	2	2	1	1
Urination (0-2)	1	0	1	1	0	1	1	1	1	1
Defecation (0-2)	1	1	1	0	1	1	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	14	18	17	15	14	16	18	17	16
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 5th week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	1	2	1	1
Urination (0-2)	0	1	1	0	1	0	0	0	0	0
Defecation (0-2)	0	0	1	0	0	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	19	16	16	18	15	18	17	13	17
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 5th week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	2	3	3	3	2	2	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	1	1	1	2	2	1	2	1
Reaction to handling (1-4)	1	2	1	1	1	1	1	2	1	1
Urination (0-2)	1	0	1	1	1	0	1	1	1	1
Defecation (0-2)	1	1	0	1	1	1	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	18	16	14	15	17	17	16	18	14	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 5th week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	3	2	3	3	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	1	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	2	2	2	1	1	1	2	1
Urination (0-2)	1	1	1	1	0	0	1	1	1	0
Defecation (0-2)	0	1	0	1	1	1	0	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	18	14	12	15	17	13	15	16	16	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 5th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	2	1	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	1	2
Urination (0-2)	0	1	0	1	1	1
Defecation (0-2)	1	0	1	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	15	14	17	14	13	17
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 5th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	3	2	2	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	2	1	1	2	1	1
Reaction to handling (1-4)	1	2	2	1	1	1
Urination (0-2)	1	0	1	1	1	0
Defecation (0-2)	1	1	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	14	16	17	12	15	13
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 6th week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	1	1	1	1	2	1	1	1
Urination (0-2)	0	1	0	0	0	0	1	0	0	1
Defecation (0-2)	0	0	0	0	1	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	15	18	17	16	19	16	17	16	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 6th week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	2	1	1	1
Urination (0-2)	0	1	0	1	0	1	1	0	0	0
Defecation (0-2)	0	0	0	1	0	1	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	18	17	19	15	16	18	16	19	20
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 6th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1
Urination (0-2)	0	1	0	0	0	1
Defecation (0-2)	0	1	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	19	14	17	16	14	19
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 6th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	0	1	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	16	19	18	20	20	16
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 6th week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	2	3	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	1	1	1
Reaction to handling (1-4)	1	1	1	1	1	2	1	1	1	1
Urination (0-2)	0	1	0	0	0	1	0	0	0	0
Defecation (0-2)	0	1	0	0	0	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	18	16	16	15	18	20	13	15	16
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 6th week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	2	2	2	3	3	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	2	2	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	2	1	1	2	1
Urination (0-2)	1	0	0	0	0	1	0	1	1	0
Defecation (0-2)	1	0	1	0	1	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	18	20	16	16	19	17	15	14	16	19
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 6th week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	2	2	2	3	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	2	1	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	2	1	1	1
Urination (0-2)	0	1	0	1	1	1	0	1	1	1
Defecation (0-2)	0	1	0	0	0	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	17	15	18	16	16	15	17	19	18	16
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 6th week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	2	1	1
Reaction to handling (1-4)	1	1	2	1	2	1	1	1	2	1
Urination (0-2)	0	1	0	1	1	0	0	0	0	0
Defecation (0-2)	0	1	0	0	0	0	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	17	15	16	18	13	14	17	13	16
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 6th week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	2	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	1	1	2	1	1	2	1
Urination (0-2)	0	1	0	0	0	1	0	0	1	1
Defecation (0-2)	0	0	0	0	1	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	19	17	15	16	18	19	15	18	16	17
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 6th week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	2	1	2	1	1	1
Reaction to handling (1-4)	1	1	2	1	2	1	1	2	2	1
Urination (0-2)	0	1	0	0	0	1	1	0	0	0
Defecation (0-2)	1	1	0	0	0	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	19	15	13	16	16	14	16	17	17	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 6th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	1	2
Reaction to handling (1-4)	1	1	1	2	1	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	1	1	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	16	15	18	15	16	19
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 6th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	2	1
Reaction to handling (1-4)	1	1	2	1	2	1
Urination (0-2)	0	1	1	0	1	0
Defecation (0-2)	0	0	0	1	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	15	16	18	13	16	14
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 7th week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	1	1	1	1
Urination (0-2)	1	0	0	1	0	0	0	1	0	0
Defecation (0-2)	1	0	0	0	1	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	12	16	17	13	11	12	11	13	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 7th week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	3	2	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	1	2	1	1	1	2
Reaction to handling (1-4)	2	1	1	2	1	2	1	1	1	1
Urination (0-2)	1	1	0	0	0	1	0	0	0	1
Defecation (0-2)	0	1	0	1	0	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	17	14	16	18	13	17	12	14	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 7th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	0	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	16	13	15	14	13	18
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 7th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	2	1	1	2	1	2
Reaction to handling (1-4)	1	2	1	2	1	1
Urination (0-2)	1	0	0	1	0	0
Defecation (0-2)	0	1	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	12	14	18	15	13	17
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 7th week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	1	1	1	1
Urination (0-2)	0	1	0	0	0	0	1	0	0	0
Defecation (0-2)	0	1	0	0	0	1	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	18	13	16	15	13	11	16	14	13	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 7th week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	3	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closcr (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	1	1	2	1	1	1	2	2
Reaction to handling (1-4)	1	1	2	1	1	1	1	2	1	1
Urination (0-2)	1	0	1	0	0	0	0	1	1	0
Defecation (0-2)	0	1	1	0	0	1	0	0	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	18	13	15	18	12	16	11	13	16	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 7th week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	3	2	2	2	2	3	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	1	1	2	2	1	1	2	1
Reaction to handling (1-4)	1	2	1	1	1	1	2	1	1	1
Urination (0-2)	0	1	1	1	0	1	1	1	1	1
Defecation (0-2)	1	1	1	0	1	1	1	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	12	10	11	13	11	10	12	15	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 7th week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	1	1	1	1
Urination (0-2)	0	0	1	0	0	0	1	0	0	0
Defecation (0-2)	0	1	0	0	1	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	11	13	15	13	10	12	15	12	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 7th week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	3	2	3	2	2	2	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	2	1	1	1	2	1	2	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	2	2	2
Urination (0-2)	1	1	0	1	0	1	1	1	1	1
Defecation (0-2)	1	1	1	1	1	0	1	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	15	11	13	12	10	12	14	13	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 7th week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	2	1	1	1
Urination (0-2)	0	1	0	0	0	1	0	0	0	0
Defecation (0-2)	1	0	0	0	1	0	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	17	16	14	18	16	15	16	15	18	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 7th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	2	1	1
Reaction to handling (1-4)	2	1	1	2	1	1
Urination (0-2)	0	1	0	1	1	1
Defecation (0-2)	1	1	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	12	14	15	12	13	15
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 7th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	2	1	1	1	1
Urination (0-2)	0	1	0	1	1	0
Defecation (0-2)	0	1	0	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	16	15	17	14	15	16
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 8th week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	1	1	1
Urination (0-2)	0	1	0	1	0	1	0	0	0	0
Defecation (0-2)	1	0	1	0	0	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	10	12	15	11	13	11	14	12	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 8th week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	2	1	1
Urination (0-2)	0	1	0	1	0	0	0	0	0	0
Defecation (0-2)	1	1	0	0	0	0	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	17	15	14	11	13	15	16	14	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 8th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1
Urination (0-2)	1	0	1	0	1	1
Defecation (0-2)	0	0	1	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	14	12	12	11	13	15
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 8th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	1	0	1	0	0
Defecation (0-2)	1	1	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	14	12	16	13	15	14
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 8th week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	1	2	1	1	1	2	1
Reaction to handling (1-4)	1	1	1	1	1	1	2	1	1	2
Urination (0-2)	0	1	1	1	0	0	0	0	0	0
Defecation (0-2)	0	1	0	0	0	1	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	12	13	14	11	12	14	15	13	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 8th week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	1	1	1
Urination (0-2)	0	1	0	1	0	0	0	1	0	0
Defecation (0-2)	1	1	0	0	0	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	13	15	12	11	13	14	16	14	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 8th week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	2	1	1	2
Reaction to handling (1-4)	1	1	1	1	2	1	1	2	1	1
Urination (0-2)	0	1	0	0	0	1	0	0	1	0
Defecation (0-2)	0	0	0	0	0	1	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	11	13	12	13	12	11	13	14	16
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 8th week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	1	1	1	2	1	1	1	1
Urination (0-2)	0	1	0	1	0	0	0	0	0	0
Defecation (0-2)	0	1	0	1	0	0	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	18	15	16	13	16	15	12	18	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 8th week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	1	1	1
Urination (0-2)	0	1	0	1	0	0	1	0	0	0
Defecation (0-2)	1	1	0	0	0	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	12	10	11	13	12	11	14	12	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 8th week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	1	1	1
Urination (0-2)	0	1	0	1	0	0	0	0	0	0
Defecation (0-2)	1	1	0	0	0	0	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	15	17	12	16	18	15	14	19	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 8th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	2	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	1	0	1	1	0
Defecation (0-2)	1	0	0	1	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	12	13	14	12	11
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 8th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	0	1	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	16	15	18	13	12	17
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 9th week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	3	3	2	3	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	1	2	2	2	1	2	1	1
Reaction to handling (1-4)	2	1	2	1	1	1	2	2	1	1
Urination (0-2)	0	1	1	1	0	1	1	1	1	1
Defecation (0-2)	1	1	0	1	1	1	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	10	13	14	10	12	11	13	12	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 9th week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	1	1	1
Urination (0-2)	0	1	0	1	0	0	0	0	0	0
Defecation (0-2)	1	0	0	0	0	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	17	14	13	10	12	13	14	12	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 9th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	2	2	3	3
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	2	1	1	2	1	1
Reaction to handling (1-4)	2	1	2	2	1	1
Urination (0-2)	0	1	0	1	1	1
Defecation (0-2)	1	1	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	12	13	12	12	14	16
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 9th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	1	1	2	1
Urination (0-2)	0	1	0	1	0	0
Defecation (0-2)	0	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	15	13	15	14	16	17
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 9th week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	3	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	2	1	1	1
Reaction to handling (1-4)	2	1	1	1	2	1	1	2	1	2
Urination (0-2)	1	1	0	1	1	0	1	0	1	1
Defecation (0-2)	0	1	1	0	1	1	1	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	13	11	12	12	14	13	12	11	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 9th week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	2	3	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	1	2	1	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	1	2	1	1
Urination (0-2)	0	1	0	1	0	0	0	0	0	0
Defecation (0-2)	1	0	0	1	0	0	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	13	12	11	13	12	13	15	12	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 9th week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	3	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	1	2	1	1	1	2	2	1
Reaction to handling (1-4)	1	1	2	1	1	1	2	1	2	1
Urination (0-2)	1	0	1	0	1	1	1	0	0	0
Defecation (0-2)	1	1	0	0	0	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	12	12	11	12	13	11	14	12	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 9th week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	1	2	1	1	2	1	1
Reaction to handling (1-4)	1	2	2	1	1	2	1	1	1	1
Urination (0-2)	0	1	0	1	1	0	1	0	0	0
Defecation (0-2)	1	0	0	0	0	0	1	0	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	16	13	15	12	16	14	11	16	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 9th week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	2	2	3	2	2	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	1	2	1	1	1	1	2	1
Reaction to handling (1-4)	1	1	2	1	1	2	1	1	1	2
Urination (0-2)	1	0	1	1	0	1	0	0	1	0
Defecation (0-2)	1	1	0	1	1	1	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	11	11	13	12	11	12	13	11	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 9th week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	1	2	1	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	1	1	1	1
Urination (0-2)	0	1	1	0	1	0	0	0	0	0
Defecation (0-2)	1	0	1	0	1	0	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	16	14	11	15	16	12	13	17	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 9th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	3	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	2	1
Reaction to handling (1-4)	1	2	1	1	1	2
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	1	0	0	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	12	11	14	12	11	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 9th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1
Urination (0-2)	0	1	0	1	1	1
Defecation (0-2)	1	1	0	1	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	15	16	17	12	11	17
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 10th week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	2	2	3	2	2	3	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	2	1	2	1	1	1	2	1
Urination (0-2)	0	1	1	0	0	1	0	0	1	0
Defecation (0-2)	1	0	1	0	0	0	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	10	12	13	11	12	10	11	14	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
 Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 10th week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	2	1	1	1	1	2
Reaction to handling (1-4)	1	1	2	1	1	1	2	1	2	1
Urination (0-2)	0	1	1	0	1	1	1	0	0	0
Defecation (0-2)	0	1	0	1	0	0	0	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	15	13	14	10	13	14	15	13	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 10th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	3	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	2	1	1
Reaction to handling (1-4)	2	1	1	1	1	2
Urination (0-2)	1	0	0	1	0	1
Defecation (0-2)	0	1	0	0	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	12	11	13	14	15
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 10th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	2	1
Reaction to handling (1-4)	1	1	1	2	1	2
Urination (0-2)	1	0	0	0	1	0
Defecation (0-2)	0	1	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	16	14	16	15	17	17
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 10th week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	2	2	2	3	3	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	2	1	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	2	1	1	2
Urination (0-2)	1	0	1	0	0	1	1	0	0	1
Defecation (0-2)	1	1	0	0	0	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	11	10	12	12	13	11	13	10	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 10th week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	2	2	2	2	3	3	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	1	2	1	1	2	1	1	1
Reaction to handling (1-4)	1	2	1	2	2	1	1	1	2	1
Urination (0-2)	1	0	0	1	0	0	0	1	0	1
Defecation (0-2)	1	0	1	1	0	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	14	14	10	14	13	12	14	13	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 10th week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	2	1	1	1
Urination (0-2)	0	1	1	0	1	0	0	0	0	0
Defecation (0-2)	1	1	0	1	0	0	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	13	11	10	14	12	11	12	13	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 10th week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	3	3	3	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	2	1	1	2	1	1	1	1	2	1
Reaction to handling (1-4)	1	1	1	1	2	1	2	1	1	1
Urination (0-2)	0	1	0	1	0	0	1	0	1	0
Defecation (0-2)	1	1	1	0	1	0	1	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	17	14	16	12	17	15	11	19	16
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 10th week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	2	1	1	1
Urination (0-2)	0	1	1	0	1	0	0	0	0	0
Defecation (0-2)	1	0	1	0	0	0	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	12	11	14	12	11	10	11	12	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 10th week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	2	2	3	2	2	2	3	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	2	2	1	1	2	1
Reaction to handling (1-4)	1	2	1	1	1	1	1	2	2	1
Urination (0-2)	1	0	1	0	0	1	0	1	0	0
Defecation (0-2)	1	1	0	1	0	1	1	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	16	17	12	19	11	14	15	17	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 10th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1
Urination (0-2)	0	1	1	0	1	1
Defecation (0-2)	0	1	0	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	13	12	14	13	11	13
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 10th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	2	1
Reaction to handling (1-4)	1	1	2	1	1	2
Urination (0-2)	1	0	1	0	0	1
Defecation (0-2)	0	1	1	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	16	14	15	17	12	13
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 11th week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	1	1	1	1
Urination (0-2)	0	1	0	1	0	0	0	0	0	1
Defecation (0-2)	1	0	1	0	0	0	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	11	11	12	13	11	10	12	13	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 11th week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	1	1	1	1
Urination (0-2)	0	1	0	0	1	0	1	0	0	0
Defecation (0-2)	0	1	0	1	0	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	16	12	11	13	12	10	11	12	11	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 11th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	2	1	2	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	0	1	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	12	13	12	11	14
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 11th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	2
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	0	1	0	1	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	12	13	11	14	16	13
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 11th week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	2	1	1
Urination (0-2)	0	1	0	1	0	0	0	0	0	1
Defecation (0-2)	0	1	0	1	0	0	0	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	11	11	11	10	12	13	12	11	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 11th week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	3	2	2	3	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	1	2	1
Urination (0-2)	0	1	0	0	0	1	0	1	0	0
Defecation (0-2)	1	0	1	0	0	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	13	12	11	10	13	12	11	11	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 11th week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	2	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	1	2	1
Reaction to handling (1-4)	1	1	1	2	1	1	2	1	1	1
Urination (0-2)	0	1	0	1	1	0	0	0	0	0
Defecation (0-2)	0	1	0	0	0	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	14	10	11	12	13	12	10	11	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 11th week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	1	2	1	2	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	1	2	1	1
Urination (0-2)	0	1	0	0	0	1	0	0	0	1
Defecation (0-2)	0	1	0	1	1	0	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	12	12	11	13	15	13	12	14	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 11th week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	1	1	2	1
Urination (0-2)	0	1	0	1	0	0	0	0	0	0
Defecation (0-2)	1	1	0	0	0	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	11	12	13	12	11	13	14	12	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 11th week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	2	2	2	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	2	1	1	1
Urination (0-2)	0	1	0	1	0	0	1	0	0	0
Defecation (0-2)	1	0	0	0	1	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	14	13	11	12	16	15	14	18	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 11th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1
Urination (0-2)	0	1	0	1	1	0
Defecation (0-2)	0	1	0	0	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	13	11	13	12	12	14
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 11th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	2	1
Reaction to handling (1-4)	1	1	1	2	1	1
Urination (0-2)	0	1	0	1	0	0
Defecation (0-2)	1	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	13	12	12	11	14	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
 Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 12th week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	3	2	2	3	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	2	1	1	2	1	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	1	1	1	2	1	2
Urination (0-2)	1	0	0	1	1	0	0	0	1	0
Defecation (0-2)	0	1	0	0	0	1	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	10	10	9	11	14	10	9	9	12	10
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 12th week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	2	1	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	2	1	1	1	2	1
Urination (0-2)	0	0	0	0	1	0	1	0	1	0
Defecation (0-2)	1	0	1	0	0	0	1	0	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	14	12	14	12	9	10	11	10	9
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 12th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	2	1	1	2	1
Urination (0-2)	0	0	0	1	0	1
Defecation (0-2)	1	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	11	12	9	10	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 12th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	2
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	1	1	0	0	0
Defecation (0-2)	1	0	0	1	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	12	12	10	12	13
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 12th week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	1	2	1	1
Urination (0-2)	0	0	0	1	0	1	1	0	1	0
Defecation (0-2)	1	0	0	0	1	0	0	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	10	10	11	10	12	12	12	9	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 12th week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	1	1	2	1
Reaction to handling (1-4)	1	2	1	1	2	1	1	2	1	1
Urination (0-2)	0	1	0	0	0	1	0	1	0	1
Defecation (0-2)	0	0	1	0	0	0	1	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	14	10	12	10	10	8	14	11	12	10
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 12th week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	2	3	2	2	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	1	1	2
Reaction to handling (1-4)	1	1	2	1	1	1	2	1	1	1
Urination (0-2)	0	0	1	0	1	0	0	1	0	0
Defecation (0-2)	0	1	0	0	0	1	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	13	9	10	12	14	14	9	12	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 12th week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	3	2	2	3
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	1	2	1	2	1	1	1
Reaction to handling (1-4)	1	2	1	1	1	1	2	1	2	1
Urination (0-2)	1	0	1	0	1	0	0	0	1	0
Defecation (0-2)	0	1	0	0	0	1	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	12	10	10	12	14	14	14	10	12	12
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
 Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 12th week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	1	1	1	2
Reaction to handling (1-4)	1	1	1	1	1	1	2	1	2	1
Urination (0-2)	0	1	0	0	1	0	0	0	0	1
Defecation (0-2)	0	0	1	1	0	1	0	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	10	12	12	10	12	10	12	12	10	11
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 12th week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	3	2	2	3	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	1	1	2
Reaction to handling (1-4)	1	1	1	2	1	1	1	2	1	1
Urination (0-2)	0	0	0	1	0	1	0	1	0	0
Defecation (0-2)	0	1	1	0	0	0	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	10	12	14	10	12	14	14	12	15	14
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 12th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1
Urination (0-2)	0	0	1	0	1	0
Defecation (0-2)	0	0	0	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	10	12	10	11	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 12th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	2	1
Reaction to handling (1-4)	1	1	1	1	2	1
Urination (0-2)	0	0	0	1	1	0
Defecation (0-2)	1	0	1	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	12	10	10	10	12	13
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Time : 13th week

Parameters (Grades)	Animal Number									
	1	2	3	4	5	6	7	8	9	10
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	1	1	1	2	1	1	1	2	1
Urination (0-2)	0	1	0	0	1	0	0	1	0	0
Defecation (0-2)	1	0	0	1	0	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	12	10	10	12	11	10	9	13	10
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Time : 13th week

Parameters (Grades)	Animal Number									
	11	12	13	14	15	16	17	18	19	20
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	1	2	1	1
Urination (0-2)	0	0	1	0	1	0	0	1	0	0
Defecation (0-2)	1	1	0	1	0	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	12	14	11	10	11	10	12	12	10
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 13th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	1	0	1	0	1
Defecation (0-2)	0	1	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	10	11	10	9	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 13th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	2
Reaction to handling (1-4)	1	2	1	1	2	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	1	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	12	13	11	12	14
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Time : 13th week

Parameters (Grades)	Animal Number									
	33	34	35	36	37	38	39	40	41	42
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	2	1	1
Urination (0-2)	0	1	0	1	0	1	1	0	0	0
Defecation (0-2)	1	0	0	0	1	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	12	9	12	10	12	11	10	12	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Time : 13th week

Parameters (Grades)	Animal Number									
	43	44	45	46	47	48	49	50	51	52
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	2	1	1	1	1
Reaction to handling (1-4)	1	2	1	1	2	1	1	1	1	1
Urination (0-2)	0	1	0	0	0	1	0	0	0	0
Defecation (0-2)	1	0	0	1	0	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	15	11	12	11	10	9	12	11	12	10
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Time : 13th week

Parameters (Grades)	Animal Number									
	53	54	55	56	57	58	59	60	61	62
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	2	3	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	2	1	1	1
Reaction to handling (1-4)	1	1	1	2	1	1	1	2	1	1
Urination (0-2)	0	1	1	0	1	0	0	0	0	1
Defecation (0-2)	0	0	0	1	0	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	13	11	10	12	11	13	11	12	14	10
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Time : 13th week

Parameters (Grades)	Animal Number									
	63	64	65	66	67	68	69	70	71	72
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	1	1	1	1	1	1
Urination (0-2)	0	1	0	1	1	0	0	0	1	0
Defecation (0-2)	0	0	0	1	0	1	0	0	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	10	12	10	13	11	12	10	11	13
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Time : 13th week

Parameters (Grades)	Animal Number									
	73	74	75	76	77	78	79	80	81	82
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	1	2	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	1	2	1	1	1	1
Urination (0-2)	0	1	0	0	0	1	0	0	0	1
Defecation (0-2)	0	1	0	0	1	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	12	10	12	11	10	12	11	13	10
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Time : 13th week

Parameters (Grades)	Animal Number									
	83	84	85	86	87	88	89	90	91	92
a) Home Cage Observations										
Behavior in Home cage (1-5)	2	2	2	3	2	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1	1	1	1	1
b) Handling Observations										
Reaction to removal (1-4)	1	1	2	1	1	1	2	1	1	1
Reaction to handling (1-4)	1	2	1	1	1	2	1	1	1	1
Urination (0-2)	0	1	0	0	1	0	0	1	0	0
Defecation (0-2)	0	0	0	0	1	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1	1	1	1	1
c) Open Field Observations										
Stereotype behaviour (0-2)	0	0	0	0	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0	0	0	0	0
Rearing (No.)	11	12	13	11	10	13	14	11	12	15
Clonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 13th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	1	1
Urination (0-2)	0	1	0	1	0	0
Defecation (0-2)	1	0	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	10	12	11	13	10
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 13th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	2	1	1	2	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	1	0	1	0	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	10	12	10	13	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 14th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	1	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	1	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	12	10	9	11	13
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 14th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	2	1	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	1	1
Urination (0-2)	1	1	0	1	0	0
Defecation (0-2)	0	1	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	12	11	9	11	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 14th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	1	0	1	0	1
Defecation (0-2)	0	0	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	11	13	10	12	9
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 14th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	3	2	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	2	1	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	1	2
Urination (0-2)	1	0	1	0	0	1
Defecation (0-2)	1	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	10	11	8	11	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 15th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	2
Reaction to handling (1-4)	1	1	2	1	2	1
Urination (0-2)	0	1	0	1	1	1
Defecation (0-2)	0	1	0	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	12	11	10	10	10	12
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 15th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	2
Reaction to handling (1-4)	1	2	1	1	1	2
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	0	0	1	0	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	12	10	8	10	11
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 15th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	1	2	1	2
Reaction to handling (1-4)	1	2	1	1	1	2
Urination (0-2)	0	1	1	0	0	0
Defecation (0-2)	1	0	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	10	9	11	12	10
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 15th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	2	1	1	2	1
Urination (0-2)	0	1	0	1	0	1
Defecation (0-2)	0	0	0	1	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	12	10	10	10	9
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 16th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	3	2	2	3	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	2	1	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	2	1
Urination (0-2)	1	0	1	0	0	1
Defecation (0-2)	0	1	1	0	1	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	10	8	9	10	11
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 16th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	1	2
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	0	0	1	0	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	11	9	8	9	10
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 16th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	3	2	3	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	2	1
Reaction to handling (1-4)	1	2	1	1	2	1
Urination (0-2)	0	1	1	0	1	0
Defecation (0-2)	1	0	0	1	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	8	9	10	12	9
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 16th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	3	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	1	2	1	1
Reaction to handling (1-4)	1	2	1	1	2	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	0	0	1	0	1	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	9	10	11	9	11
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Time : 17th week

Parameters (Grades)	Animal Number					
	21	22	23	24	25	26
a) Home Cage Observations						
Behavior in Home cage (1-5)	3	2	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	2	1	1
Reaction to handling (1-4)	1	1	2	1	1	2
Urination (0-2)	0	1	0	1	1	0
Defecation (0-2)	0	0	1	0	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	10	9	9	11	10	10
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Time : 17th week

Parameters (Grades)	Animal Number					
	27	28	29	30	31	32
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	2	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	2	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	1	0	0	1	0
Defecation (0-2)	0	0	1	0	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	10	9	10	10	9
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 17th week

Parameters (Grades)	Animal Number					
	93	94	95	96	97	98
a) Home Cage Observations						
Behavior in Home cage (1-5)	3	2	2	2	3	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	1	2	1	1	1
Reaction to handling (1-4)	1	2	1	2	1	1
Urination (0-2)	0	1	0	0	1	1
Defecation (0-2)	0	0	0	1	0	1
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	9	10	11	10	11
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.IX (Contd.)

INDIVIDUAL ANIMAL - DETAILED CLINICAL OBSERVATIONS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Time : 17th week

Parameters (Grades)	Animal Number					
	99	100	101	102	103	104
a) Home Cage Observations						
Behavior in Home cage (1-5)	2	3	2	2	2	2
Alterations Home cage (1-7)	1	1	1	1	1	1
Vocalizations (1-2)	1	1	1	1	1	1
Respiration (1-2)	1	1	1	1	1	1
Palpebral closer (1-4)	1	1	1	1	1	1
b) Handling Observations						
Reaction to removal (1-4)	1	2	1	1	2	1
Reaction to handling (1-4)	1	1	2	1	1	1
Urination (0-2)	0	0	1	0	1	0
Defecation (0-2)	0	1	0	1	0	0
Prominence of Eye (1-3)	1	1	1	1	1	1
Lacrimation (1-4)	1	1	1	1	1	1
Salivation (1-4)	1	1	1	1	1	1
Piloerection (0-1)	0	0	0	0	0	0
Examination of mucous membrane (1-2)	1	1	1	1	1	1
Examination of skin/fur (1-2)	1	1	1	1	1	1
Examination of natural orifices (1-2)	1	1	1	1	1	1
Animal appearance (1-3)	1	1	1	1	1	1
c) Open Field Observations						
Stereotype behaviour (0-2)	0	0	0	0	0	0
Bizzare behaviour (0-4)	0	0	0	0	0	0
Rearing (No.)	11	9	10	12	8	10
Clonic movements (0-3)	0	0	0	0	0	0
Tonic movements (0-3)	0	0	0	0	0	0
Gait pattern (1-7)	1	1	1	1	1	1
Mobility score (1-3)	1	1	1	1	1	1
Pupillary response (1-2)	1	1	1	1	1	1

APPENDIX NO.X

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Week : 13

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
1	3	2	2	2	2	1	1
2	3	2	2	2	2	1	1
3	3	2	2	2	2	1	1
4	3	2	2	2	2	1	1
5	3	2	2	2	2	1	1
6	3	2	2	2	2	1	1
7	3	2	2	2	2	1	1
8	3	2	2	2	2	1	1
9	3	2	2	2	2	1	1
10	3	2	2	2	2	1	1

APPENDIX NO.X (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Week : 13

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
11	3	2	2	2	2	1	1
12	3	2	2	2	2	1	1
13	3	2	2	2	2	1	1
14	3	2	2	2	2	1	1
15	3	2	2	2	2	1	1
16	3	2	2	2	2	1	1
17	3	2	2	2	2	1	1
18	3	2	2	2	2	1	1
19	3	2	2	2	2	1	1
20	3	2	2	2	2	1	1

APPENDIX NO.X (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Week : 17

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
21	3	2	2	2	2	1	1
22	3	2	2	2	2	1	1
23	3	2	2	2	2	1	1
24	3	2	2	2	2	1	1
25	3	2	2	2	2	1	1
26	3	2	2	2	2	1	1

APPENDIX NO.X (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Week : 17

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
27	3	2	2	2	2	1	1
28	3	2	2	2	2	1	1
29	3	2	2	2	2	1	1
30	3	2	2	2	2	1	1
31	3	2	2	2	2	1	1
32	3	2	2	2	2	1	1

APPENDIX NO.X (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Week : 13

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
33	3	2	2	2	2	1	1
34	3	2	2	2	2	1	1
35	3	2	2	2	2	1	1
36	3	2	2	2	2	1	1
37	3	2	2	2	2	1	1
38	3	2	2	2	2	1	1
39	3	2	2	2	2	1	1
40	3	2	2	2	2	1	1
41	3	2	2	2	2	1	1
42	3	2	2	2	2	1	1

APPENDIX NO.X (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Week : 13

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
43	3	2	2	2	2	1	1
44	3	2	2	2	2	1	1
45	3	2	2	2	2	1	1
46	3	2	2	2	2	1	1
47	3	2	2	2	2	1	1
48	3	2	2	2	2	1	1
49	3	2	2	2	2	1	1
50	3	2	2	2	2	1	1
51	3	2	2	2	2	1	1
52	3	2	2	2	2	1	1

APPENDIX NO.X (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Week : 13

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
53	3	2	2	2	2	1	1
54	3	2	2	2	2	1	1
55	3	2	2	2	2	1	1
56	3	2	2	2	2	1	1
57	3	2	2	2	2	1	1
58	3	2	2	2	2	1	1
59	3	2	2	2	2	1	1
60	3	2	2	2	2	1	1
61	3	2	2	2	2	1	1
62	3	2	2	2	2	1	1

APPENDIX NO.X (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Week : 13

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
63	3	2	2	2	2	1	1
64	3	2	2	2	2	1	1
65	3	2	2	2	2	1	1
66	3	2	2	2	2	1	1
67	3	2	2	2	2	1	1
68	3	2	2	2	2	1	1
69	3	2	2	2	2	1	1
70	3	2	2	2	2	1	1
71	3	2	2	2	2	1	1
72	3	2	2	2	2	1	1

APPENDIX NO.X (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Week : 13

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
73	3	2	2	2	2	1	1
74	3	2	2	2	2	1	1
75	3	2	2	2	2	1	1
76	3	2	2	2	2	1	1
77	3	2	2	2	2	1	1
78	3	2	2	2	2	1	1
79	3	2	2	2	2	1	1
80	3	2	2	2	2	1	1
81	3	2	2	2	2	1	1
82	3	2	2	2	2	1	1

APPENDIX NO.X (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Week : 13

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
83	3	2	2	2	2	1	1
84	3	2	2	2	2	1	1
85	3	2	2	2	2	1	1
86	3	2	2	2	2	1	1
87	3	2	2	2	2	1	1
88	3	2	2	2	2	1	1
89	3	2	2	2	2	1	1
90	3	2	2	2	2	1	1
91	3	2	2	2	2	1	1
92	3	2	2	2	2	1	1

APPENDIX NO.X (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Week : 17

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
93	3	2	2	2	2	1	1
94	3	2	2	2	2	1	1
95	3	2	2	2	2	1	1
96	3	2	2	2	2	1	1
97	3	2	2	2	2	1	1
98	3	2	2	2	2	1	1

APPENDIX NO.X (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(SENSORY REACTIVITY OBSERVATION)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Week : 17

Animal No.	Parameters (Grades)						
	Arousal level (1-5)	Visual response (1-5)	Touch response (1-5)	Auditory response (1-5)	Tail pinch response (1-5)	Visual placing response (1-3)	Air righting response (1-3)
99	3	2	2	2	2	1	1
100	3	2	2	2	2	1	1
101	3	2	2	2	2	1	1
102	3	2	2	2	2	1	1
103	3	2	2	2	2	1	1
104	3	2	2	2	2	1	1

APPENDIX NO.XI

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Week : 13

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
1	1.105	0.975	0.920	1.000
2	1.110	1.030	1.190	1.110
3	1.125	0.890	1.110	1.042
4	1.310	1.255	1.315	1.293
5	1.320	1.105	1.135	1.187
6	1.250	1.110	1.210	1.190
7	1.075	0.995	1.115	1.062
8	1.105	1.185	1.090	1.127
9	1.165	1.090	1.110	1.122
10	1.100	0.935	0.930	0.988

APPENDIX NO.XI (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Week : 13

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
11	1.180	1.123	1.025	1.109
12	1.039	1.095	0.915	1.016
13	1.025	1.050	1.011	1.029
14	0.975	1.110	1.029	1.038
15	1.265	1.190	1.015	1.157
16	1.247	1.029	1.016	1.097
17	1.315	1.031	0.990	1.112
18	0.895	1.065	0.912	0.957
19	1.115	0.921	1.015	1.017
20	1.070	1.130	0.985	1.062

APPENDIX NO.XI (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Week : 17

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
21	1.070	0.735	1.050	0.952
22	1.100	1.090	0.765	0.985
23	0.845	1.075	1.115	1.012
24	1.045	1.065	1.445	1.185
25	1.050	0.835	0.960	0.948
26	1.250	1.245	1.010	1.168

APPENDIX NO.XI (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Week : 17

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
27	0.920	1.155	0.825	0.967
28	0.895	1.275	1.105	1.092
29	0.960	1.140	1.025	1.042
30	0.975	1.025	1.230	1.077
31	1.125	0.850	1.115	1.030
32	1.170	1.020	1.175	1.122

APPENDIX NO.XI (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Week : 13

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
33	1.150	1.120	1.110	1.127
34	1.140	1.055	1.205	1.133
35	1.310	1.225	1.115	1.217
36	0.965	1.105	1.050	1.040
37	0.985	1.100	1.125	1.070
38	1.595	1.340	1.260	1.398
39	1.410	1.365	1.250	1.342
40	1.145	1.210	1.010	1.122
41	1.180	1.525	1.460	1.388
42	0.990	0.875	0.870	0.912

APPENDIX NO.XI (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Week : 13

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
43	0.880	0.730	0.945	0.852
44	1.120	0.845	0.905	0.957
45	1.130	1.100	1.160	1.130
46	1.095	1.120	1.140	1.118
47	0.950	1.060	0.910	0.973
48	1.070	0.875	0.970	0.972
49	1.240	1.165	1.140	1.182
50	1.130	0.995	0.990	1.038
51	0.905	1.100	0.940	0.982
52	1.055	0.960	0.945	0.987

APPENDIX NO.XI (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Week : 13

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
53	0.970	1.155	1.510	1.212
54	0.875	1.115	1.265	1.085
55	1.105	1.135	1.140	1.127
56	0.945	1.180	1.190	1.105
57	1.260	1.195	1.120	1.192
58	1.140	0.990	1.180	1.103
59	0.915	1.110	1.140	1.055
60	1.145	1.085	1.100	1.110
61	1.125	1.115	0.990	1.077
62	1.265	1.195	1.150	1.203

APPENDIX NO.XI (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Week : 13

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
63	1.120	1.180	1.160	1.153
64	0.995	0.760	0.720	0.825
65	1.060	1.075	1.090	1.075
66	1.140	0.915	0.895	0.983
67	1.100	1.120	1.125	1.115
68	1.165	1.135	1.185	1.162
69	0.925	0.750	1.030	0.902
70	0.950	0.755	0.885	0.863
71	1.090	1.045	1.050	1.062
72	1.235	1.110	1.105	1.150

APPENDIX NO.XI (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Week : 13

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
73	1.105	1.110	1.195	1.137
74	0.925	0.970	1.110	1.002
75	1.260	1.215	1.175	1.217
76	1.450	1.040	0.980	1.157
77	1.165	1.250	1.115	1.177
78	1.100	1.175	1.105	1.127
79	1.310	1.070	1.120	1.167
80	1.180	1.005	1.195	1.127
81	0.985	0.940	0.975	0.967
82	1.165	1.190	1.105	1.153

APPENDIX NO.XI (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Week : 13

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
83	0.955	0.870	0.795	0.873
84	0.880	1.085	1.100	1.022
85	1.130	1.170	1.185	1.162
86	0.850	0.995	1.020	0.955
87	0.770	0.725	0.850	0.782
88	0.805	1.145	0.775	0.908
89	1.155	0.865	0.705	0.908
90	0.960	0.930	0.890	0.927
91	1.020	0.790	0.915	0.908
92	1.140	0.945	0.810	0.965

APPENDIX NO.XI (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Week : 17

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
93	1.440	1.085	1.015	1.180
94	1.210	1.050	1.255	1.172
95	1.070	0.855	0.995	0.973
96	1.380	1.120	0.910	1.137
97	1.185	1.160	1.075	1.140
98	0.925	0.965	0.885	0.925

APPENDIX NO.XI (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(GRIP STRENGTH MEASUREMENT)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Week : 17

Animal No.	Grip Strength (kg)			Mean
	1 st reading	2 nd reading	3 rd reading	
99	1.055	1.065	1.160	1.093
100	0.950	0.805	1.105	0.953
101	1.120	0.895	1.125	1.047
102	1.195	1.120	1.265	1.193
103	1.260	1.005	1.320	1.195
104	1.150	0.890	1.020	1.020

APPENDIX NO.XII

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Week : 13

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
1	864	464	400
2	841	421	420
3	1101	672	429
4	1098	724	374
5	846	440	406
6	1163	760	403
7	1158	737	421
8	1104	655	449
9	1395	920	475
10	1123	687	436
Interval '2'			
1	445	180	265
2	471	173	298
3	864	379	485
4	395	194	201
5	538	197	341
6	262	96	166
7	803	336	467
8	565	131	434
9	814	414	400
10	629	334	295
Interval '3'			
1	130	49	81
2	430	182	248
3	619	253	366
4	152	56	96
5	349	76	273
6	122	38	84
7	407	98	309
8	398	158	240
9	606	307	299
10	409	182	227

APPENDIX NO.XII (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Week : 13

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
11	3261	2475	786
12	2216	1556	660
13	1569	1044	525
14	2143	1512	631
15	1014	670	344
16	1633	1077	556
17	2012	1381	631
18	1320	742	578
19	3164	2381	783
20	1421	863	558
Interval '2'			
11	2737	2014	723
12	2014	1390	624
13	1422	947	475
14	1297	822	475
15	505	301	204
16	1533	1005	528
17	1080	654	426
18	680	350	330
19	2478	1795	683
20	717	371	346
Interval '3'			
11	2485	1883	602
12	2209	1585	624
13	963	610	353
14	890	582	308
15	715	393	322
16	1093	699	394
17	928	546	382
18	321	123	198
19	639	218	421
20	389	227	162

APPENDIX NO.XII (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Week : 17

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
21	1793	426	1367
22	1674	288	1386
23	1205	657	548
24	1092	486	606
25	1801	424	1377
26	1075	657	418
Interval '2'			
21	643	278	365
22	335	120	215
23	618	350	268
24	385	195	190
25	693	367	326
26	831	62	769
Interval '3'			
21	515	144	371
22	296	139	157
23	578	298	280
24	211	111	100
25	375	184	191
26	454	299	155

APPENDIX NO.XII (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Week : 17

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
27	1400	1258	142
28	1423	505	918
29	1014	561	453
30	1018	488	530
31	1501	982	519
32	1306	867	439
Interval '2'			
27	1189	720	469
28	860	546	314
29	475	269	206
30	402	207	195
31	770	599	171
32	942	614	328
Interval '3'			
27	811	439	372
28	615	363	252
29	416	175	241
30	486	236	250
31	746	513	233
32	711	667	44

APPENDIX NO.XII (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Week : 13

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
33	804	509	295
34	1266	720	546
35	851	471	380
36	876	402	474
37	1039	661	378
38	893	526	367
39	758	447	311
40	1033	659	374
41	1049	674	375
42	1248	800	448
Interval '2'			
33	451	245	206
34	614	310	304
35	381	148	233
36	541	175	366
37	426	124	302
38	526	255	271
39	456	187	269
40	398	205	193
41	987	530	457
42	567	122	445
Interval '3'			
33	235	122	113
34	321	135	186
35	269	35	234
36	160	48	112
37	526	233	293
38	333	154	179
39	216	162	54
40	367	182	185
41	787	406	381
42	452	222	230

APPENDIX NO.XII (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Week : 13

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
43	1291	815	476
44	1461	946	515
45	2137	1607	530
46	1589	992	597
47	1141	718	423
48	1405	863	542
49	1447	961	486
50	2646	1894	752
51	1640	1094	546
52	1864	1296	568
Interval '2'			
43	943	583	360
44	1302	818	484
45	2545	1945	600
46	1146	742	404
47	1122	690	432
48	1050	667	383
49	827	469	358
50	1806	1254	552
51	1048	653	395
52	1267	822	445
Interval '3'			
43	819	533	286
44	843	514	329
45	1684	1267	417
46	894	559	335
47	1173	694	479
48	839	480	359
49	1065	637	428
50	979	600	379
51	858	509	349
52	762	500	262

APPENDIX NO.XII (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Week : 13

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
53	314	146	168
54	921	568	353
55	913	502	411
56	960	502	458
57	1005	643	362
58	955	618	337
59	1591	1073	518
60	1249	769	480
61	770	429	341
62	1287	767	520
Interval '2'			
53	352	182	170
54	440	193	247
55	485	194	291
56	618	248	370
57	681	406	275
58	626	322	304
59	1459	901	558
60	737	416	321
61	768	383	385
62	756	385	371
Interval '3'			
53	617	282	335
54	481	241	240
55	320	99	221
56	204	91	113
57	396	200	196
58	588	320	268
59	182	106	76
60	167	105	62
61	112	10	102
62	166	99	67

APPENDIX NO.XII (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Week : 13

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
63	1961	1361	600
64	1594	995	599
65	1508	1010	498
66	1459	1005	454
67	1961	1428	533
68	1722	1124	598
69	1648	1023	625
70	1606	1094	512
71	1578	1089	489
72	1607	1147	460
Interval '2'			
63	1189	707	482
64	863	385	478
65	548	281	267
66	1027	638	389
67	1883	1365	518
68	1446	1014	432
69	1551	1035	516
70	974	599	375
71	656	352	304
72	1266	841	425
Interval '3'			
63	1150	716	434
64	696	359	337
65	452	255	197
66	680	427	253
67	1172	835	337
68	1075	726	349
69	806	520	286
70	1394	956	438
71	886	526	360
72	1253	809	444

APPENDIX NO.XII (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Week : 13

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
73	935	485	450
74	756	409	347
75	1353	887	466
76	1080	682	398
77	1014	623	391
78	1131	679	452
79	1738	897	841
80	1307	803	504
81	1371	880	491
82	927	443	484
Interval '2'			
73	612	354	258
74	599	317	282
75	711	369	342
76	999	573	426
77	950	487	463
78	470	192	278
79	709	305	404
80	650	327	323
81	612	339	273
82	692	313	379
Interval '3'			
73	451	201	250
74	409	183	226
75	634	330	304
76	447	204	243
77	505	222	283
78	725	272	453
79	506	197	309
80	507	198	309
81	494	281	213
82	313	89	224

APPENDIX NO.XII (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Week : 13

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
83	1320	741	579
84	2054	1407	647
85	1516	1039	477
86	1666	1174	492
87	1624	1059	565
88	2486	1766	720
89	1233	805	428
90	1680	1144	536
91	1714	1248	466
92	1672	1185	487
Interval '2'			
83	659	355	304
84	1507	1007	500
85	1072	692	380
86	1329	835	494
87	1092	670	422
88	1656	1168	488
89	977	561	416
90	1197	747	450
91	1135	661	474
92	785	456	329
Interval '3'			
83	544	248	296
84	1069	657	412
85	741	387	354
86	921	473	448
87	1069	637	432
88	1338	933	405
89	391	86	305
90	740	514	226
91	812	537	275
92	685	407	278

APPENDIX NO.XII (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Week : 17

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
93	1809	502	1307
94	1488	250	1238
95	1793	452	1341
96	1923	574	1349
97	1285	906	379
98	1134	700	434
Interval '2'			
93	812	290	522
94	801	141	660
95	749	365	384
96	558	254	304
97	790	692	98
98	758	390	368
Interval '3'			
93	332	183	149
94	209	90	119
95	554	288	266
96	232	132	100
97	812	431	381
98	509	247	262

APPENDIX NO.XII (Contd.)

**INDIVIDUAL ANIMAL - FUNCTIONAL OBSERVATIONAL BATTERY
(MOTOR ACTIVITY)**

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Week : 17

Animal Number	Motor Activity		
	Total Activity	Ambulatory Activity	Stereotypic Activity
Interval '1'			
99	1322	868	454
100	2080	1502	578
101	1854	1377	477
102	2133	1486	647
103	1572	982	590
104	1866	1337	529
Interval '2'			
99	800	659	141
100	537	188	349
101	676	411	265
102	722	216	506
103	836	454	382
104	971	402	569
Interval '3'			
99	969	542	427
100	883	606	277
101	756	497	259
102	806	439	367
103	739	402	337
104	861	529	332

APPENDIX NO.XIII

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Day : 91

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6/\mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
1	17.2	9.90	43.8	44.3	17.4	39.3
2	16.8	9.72	42.9	44.2	17.3	39.1
3	16.2	8.64	39.9	46.2	18.8	40.6
4	15.8	8.60	39.9	46.4	18.4	39.8
5	16.2	8.81	40.9	46.4	18.5	39.8
6	13.4	7.15	33.5	46.9	18.8	40.1
7	13.4	7.07	33.0	46.7	18.9	40.5
8	17.2	9.99	43.9	44.0	17.2	39.2
9	14.4	7.66	36.6	47.8	18.8	39.3
10	14.2	7.49	35.7	47.7	18.9	39.7

Animal No.	Platelets ($\times 10^3/\mu\text{L}$)	Total WBC ($\times 10^3/\mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
1	430	14.2	17	83	00	00	00	20
2	424	13.4	20	78	01	01	00	14
3	388	16.1	18	80	02	00	00	15
4	352	15.6	21	79	00	00	00	18
5	321	16.2	22	75	02	01	00	11
6	292	14.7	14	85	01	00	00	12
7	280	14.9	18	79	03	00	00	17
8	345	14.0	20	79	01	00	00	20
9	277	12.2	24	74	02	00	00	15
10	277	12.0	16	80	03	01	00	16

Hb : Hemoglobin
HCT : Hematocrit
MCH : Mean Corpuscular Hemoglobin
WBC : White Blood Corpuscles
N : Neutrophils
E : Eosinophils
B : Basophils

RBC : Red Blood Corpuscles
MCV : Mean Corpuscular Volume
MCHC : Mean Corpuscular Hemoglobin Concentration
Pt. : Prothrombin Time
L : Lymphocytes
M : Monocytes

APPENDIX NO.XIII (Contd.)

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Day : 91

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6 / \mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
11	16.6	8.20	40.8	49.7	20.2	40.7
12	14.1	7.08	34.4	48.6	19.9	41.0
13	15.6	8.03	38.8	48.3	19.5	40.3
14	14.5	7.41	35.7	48.2	19.5	40.5
15	14.7	7.48	36.3	48.6	19.7	40.5
16	17.0	8.44	42.0	49.8	20.2	40.5
17	15.1	8.10	37.0	45.7	18.7	40.8
18	15.1	8.18	37.6	46.0	18.5	40.1
19	15.6	8.01	38.2	47.7	19.4	40.8
20	15.8	7.89	39.1	49.6	20.0	40.3

Animal No.	Platelets ($\times 10^3 / \mu\text{L}$)	Total WBC ($\times 10^3 / \mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
11	282	11.9	17	82	01	00	00	17
12	300	6.3	20	79	00	01	00	20
13	281	8.6	22	76	02	00	00	15
14	319	6.9	16	83	01	00	00	16
15	310	7.0	15	84	00	01	00	14
16	336	12.2	20	78	02	00	00	15
17	346	10.8	16	81	01	02	00	18
18	332	10.9	19	80	00	01	00	20
19	331	7.6	22	76	01	01	00	11
20	310	7.1	15	81	02	02	00	13

Hb : Hemoglobin
HCT : Hematocrit
MCH : Mean Corpuscular Hemoglobin
WBC : White Blood Corpuscles
N : Neutrophils
E : Eosinophils
B : Basophils

RBC : Red Blood Corpuscles
MCV : Mean Corpuscular Volume
MCHC : Mean Corpuscular Hemoglobin Concentration
Pt. : Prothrombin Time
L : Lymphocytes
M : Monocytes

APPENDIX NO.XIII (Contd.)

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Day : 119

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6 / \mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
21	14.1	7.36	39.6	53.8	19.2	35.6
22	14.7	7.89	41.8	53.0	18.6	35.1
23	13.5	7.73	39.0	50.4	17.4	34.6
24	14.1	7.37	39.8	54.0	19.1	35.3
25	14.9	7.91	42.1	53.2	18.9	35.4
26	13.6	7.81	39.3	50.4	17.4	34.6

Animal No.	Platelets ($\times 10^3 / \mu\text{L}$)	Total WBC ($\times 10^3 / \mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
21	282	12.6	22	75	01	02	00	18
22	345	15.8	19	77	02	02	00	12
23	370	13.0	21	75	01	03	00	20
24	285	12.9	20	76	02	02	00	13
25	348	16.3	24	72	03	01	00	17
26	373	13.2	18	78	01	03	00	11

Hb	: Hemoglobin	RBC	: Red Blood Corpuscles
HCT	: Hematoerit	MCV	: Mean Corpuscular Volume
MCH	: Mean Corpuscular Hemoglobin	MCHC	: Mean Corpuscular Hemoglobin Concentration
WBC	: White Blood Corpuscles	Pt.	: Prothrombin Time
N	: Neutrophils	L	: Lymphocytes
E	: Eosinophils	M	: Monocytes
B	: Basophils		

APPENDIX NO.XIII (Contd.)

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Day : 119

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6 / \mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
27	15.5	8.48	44.4	52.3	18.3	35.0
28	13.7	7.07	39.4	55.8	19.4	34.7
29	16.2	7.95	46.5	58.5	20.4	34.9
30	13.4	6.79	37.3	54.9	19.7	35.9
31	13.3	6.77	37.3	55.2	19.6	35.5
32	13.6	6.82	37.2	54.5	20.0	36.6

Animal No.	Platelets ($\times 10^3 / \mu\text{L}$)	Total WBC ($\times 10^3 / \mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
27	379	11.0	23	74	01	02	00	15
28	220	6.3	19	78	02	01	00	20
29	266	10.5	20	76	02	02	00	19
30	294	6.4	22	75	01	02	00	16
31	275	9.4	21	76	00	03	00	14
32	283	6.9	19	77	02	02	00	18

Hb : Hemoglobin

HCT : Hematocrit

MCH : Mean Corpuscular Hemoglobin

WBC : White Blood Corpuscles

N : Neutrophils

E : Eosinophils

B : Basophils

RBC : Red Blood Corpuscles

MCV : Mean Corpuscular Volume

MCHC : Mean Corpuscular Hemoglobin Concentration

Pt. : Prothrombin Time

L : Lymphocytes

M : Monocytes

APPENDIX NO.XIII (Contd.)

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Day : 91

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6 / \mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
33	12.8	7.15	33.0	46.2	17.9	38.7
34	14.1	8.08	35.9	44.5	17.4	39.1
35	13.0	7.22	33.4	46.2	18.0	39.0
36	14.2	8.00	36.1	45.1	17.8	39.4
37	14.4	8.12	36.0	44.3	17.7	39.9
38	14.4	8.23	36.9	44.9	17.6	39.1
39	14.2	7.96	36.1	45.4	17.9	39.4
40	14.2	8.09	36.1	44.6	17.6	39.4
41	14.3	8.02	36.4	45.3	17.8	39.2
42	14.5	8.04	36.2	45.0	18.0	40.0

Animal No.	Platelets ($\times 10^3 / \mu\text{L}$)	Total WBC ($\times 10^3 / \mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
33	283	12.7	14	86	00	00	00	18
34	258	13.8	22	75	02	01	00	15
35	292	12.9	18	79	01	02	00	17
36	314	18.4	19	80	01	00	00	12
37	248	13.9	20	79	00	01	00	14
38	252	14.1	16	80	02	02	00	13
39	309	18.2	15	81	03	01	00	19
40	245	13.9	21	77	01	01	00	13
41	330	18.4	20	79	01	00	00	16
42	315	18.7	22	75	02	01	00	11

Hb : Hemoglobin
HCT : Hematocrit
MCH : Mean Corpuscular Hemoglobin
WBC : White Blood Corpuscles
N : Neutrophils
E : Eosinophils
B : Basophils

RBC : Red Blood Corpuscles
MCV : Mean Corpuscular Volume
MCHC : Mean Corpuscular Hemoglobin Concentration
Pt. : Prothrombin Time
L : Lymphocytes
M : Monocytes

APPENDIX NO.XIII (Contd.)

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Day : 91

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6 / \mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
43	16.9	8.80	42.8	48.6	19.2	39.5
44	14.8	7.05	35.6	50.5	21.0	41.6
45	16.9	8.26	42.2	51.0	20.4	40.0
46	17.4	8.88	43.4	48.8	19.6	40.1
47	15.7	7.43	38.6	51.9	21.2	40.8
48	16.6	8.13	41.2	50.7	20.4	40.3
49	16.1	8.33	40.3	48.4	19.4	40.1
50	15.8	7.54	39.2	52.0	21.0	40.3
51	14.0	6.70	33.9	50.5	20.9	41.3
52	17.0	8.74	42.5	48.6	19.4	39.9

Animal No.	Platelets ($\times 10^3 / \mu\text{L}$)	Total WBC ($\times 10^3 / \mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
43	357	7.8	19	79	02	00	00	17
44	291	11.6	20	80	00	00	00	12
45	337	11.6	22	76	01	01	00	14
46	351	9.2	17	83	00	00	00	13
47	281	6.8	18	78	02	02	00	19
48	323	11.8	14	85	00	01	00	13
49	291	11.4	23	76	00	01	00	16
50	281	6.5	21	76	03	00	00	11
51	284	14.2	20	80	00	00	00	18
52	337	8.1	16	82	01	01	00	15

Hb : Hemoglobin
HCT : Hematocrit
MCH : Mean Corpuscular Hemoglobin
WBC : White Blood Corpuscles
N : Neutrophils
E : Eosinophils
B : Basophils

RBC : Red Blood Corpuscles
MCV : Mean Corpuscular Volume
MCHC : Mean Corpuscular Hemoglobin Concentration
Pt. : Prothrombin Time
L : Lymphocytes
M : Monocytes

APPENDIX NO.XIII (Contd.)

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Day : 91

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6 / \mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
53	16.8	9.34	42.8	45.9	18.0	39.2
54	15.6	8.77	39.9	45.4	17.8	39.3
55	16.2	8.98	41.2	45.9	18.0	39.2
56	16.5	8.23	40.8	49.5	20.0	40.5
57	15.6	8.78	39.9	45.4	17.7	39.1
58	17.0	9.56	43.0	45.0	17.8	39.6
59	17.4	9.66	44.0	45.5	18.0	39.6
60	17.0	8.52	42.3	49.7	19.9	40.1
61	17.0	9.34	43.0	46.1	18.2	39.4
62	17.3	9.65	43.9	45.5	17.9	39.3

Animal No.	Platelets ($\times 10^3 / \mu\text{L}$)	Total WBC ($\times 10^3 / \mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
53	305	16.7	19	79	00	02	00	19
54	323	15.8	22	76	02	00	00	11
55	322	16.3	15	82	03	00	00	19
56	382	18.5	18	81	00	01	00	14
57	306	15.6	19	77	03	01	00	15
58	401	16.1	21	79	00	00	00	20
59	392	15.9	17	80	02	01	00	16
60	408	18.9	23	76	01	00	00	13
61	321	16.1	20	77	01	02	00	18
62	404	16.0	16	82	01	01	00	17

Hb : Hemoglobin
HCT : Hematocrit
MCH : Mean Corpuscular Hemoglobin
WBC : White Blood Corpuscles
N : Neutrophils
E : Eosinophils
B : Basophils

RBC : Red Blood Corpuscles
MCV : Mean Corpuscular Volume
MCHC : Mean Corpuscular Hemoglobin Concentration
Pt. : Prothrombin Time
L : Lymphocytes
M : Monocytes

APPENDIX NO.XIII (Contd.)

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Day : 91

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6/\mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
63	16.3	7.94	40.0	50.4	20.5	40.8
64	16.2	7.89	39.5	50.1	20.6	41.1
65	16.3	8.00	40.4	50.4	20.4	40.4
66	14.4	7.29	35.0	48.0	19.8	41.2
67	15.6	8.28	38.9	47.0	18.9	40.1
68	15.6	7.80	38.0	48.7	20.0	41.0
69	15.6	8.23	38.7	47.0	18.9	40.3
70	14.9	7.58	36.6	48.3	19.6	40.6
71	14.4	7.31	35.3	48.3	19.8	40.9
72	17.0	8.53	41.7	48.9	19.9	40.7

Animal No.	Platelets ($\times 10^3/\mu\text{L}$)	Total WBC ($\times 10^3/\mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
63	312	15.6	18	80	01	01	00	16
64	310	15.7	21	79	00	00	00	13
65	317	16.3	17	81	02	00	00	18
66	233	13.7	19	80	01	00	00	11
67	342	13.9	24	75	00	01	00	14
68	311	18.9	15	83	02	00	00	17
69	330	14.0	18	81	01	00	00	15
70	250	17.3	20	79	00	01	00	19
71	243	18.2	19	81	00	00	00	12
72	362	14.2	20	78	02	00	00	20

Hb : Hemoglobin
HCT : Hematocrit
MCH : Mean Corpuscular Hemoglobin
WBC : White Blood Corpuscles
N : Neutrophils
E : Eosinophils
B : Basophils

RBC : Red Blood Corpuscles
MCV : Mean Corpuscular Volume
MCHC : Mean Corpuscular Hemoglobin Concentration
Pt. : Prothrombin Time
L : Lymphocytes
M : Monocytes

APPENDIX NO.XIII (Contd.)

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Day : 91

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6 / \mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
73	16.3	8.58	40.6	47.3	19.0	40.1
74	16.6	8.62	41.1	47.7	19.2	40.2
75	16.6	9.19	42.3	46.1	18.1	39.3
76	16.4	9.07	41.7	45.9	18.1	39.5
77	16.7	8.71	41.6	47.8	19.2	40.3
78	15.8	8.63	39.5	45.8	18.3	40.0
79	14.2	7.61	36.3	47.7	18.7	39.2
80	16.3	8.90	41.2	46.3	18.4	39.6
81	16.4	8.98	41.5	46.2	18.3	39.6
82	16.1	8.82	40.5	45.9	18.3	39.8

Animal No.	Platelets ($\times 10^3 / \mu\text{L}$)	Total WBC ($\times 10^3 / \mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
73	393	13.3	18	80	02	00	00	18
74	424	13.5	21	78	00	01	00	12
75	299	15.6	19	80	01	00	00	15
76	328	15.9	20	77	01	02	00	11
77	404	13.5	14	85	00	01	00	13
78	317	14.9	18	80	02	00	00	14
79	387	16.2	21	76	03	00	00	19
80	249	15.3	24	74	00	02	00	17
81	238	15.5	17	81	01	01	00	12
82	322	15.7	15	83	01	01	00	20

Hb : Hemoglobin
HCT : Hematocrit
MCH : Mean Corpuscular Hemoglobin
WBC : White Blood Corpuscles
N : Neutrophils
E : Eosinophils
B : Basophils

RBC : Red Blood Corpuscles
MCV : Mean Corpuscular Volume
MCHC : Mean Corpuscular Hemoglobin Concentration
Pt. : Prothrombin Time
L : Lymphocytes
M : Monocytes

APPENDIX NO.XIII (Contd.)

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Day : 91

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6/\mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
83	14.9	7.50	35.8	47.8	19.9	41.7
84	15.0	7.69	36.9	48.0	19.5	40.6
85	14.9	7.58	36.5	48.1	19.7	40.9
86	15.5	7.80	37.3	47.8	19.9	41.5
87	15.9	7.74	38.2	49.4	20.5	41.5
88	15.8	7.60	37.7	49.6	20.8	41.9
89	16.2	8.30	39.7	47.8	19.6	40.9
90	16.0	8.48	40.4	47.6	18.9	39.7
91	16.0	8.41	39.9	47.4	19.0	40.0
92	16.4	8.55	40.9	47.8	19.1	40.0

Animal No.	Platelets ($\times 10^3/\mu\text{L}$)	Total WBC ($\times 10^3/\mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
83	263	8.3	19	79	01	01	00	11
84	279	8.0	21	77	02	00	00	13
85	265	8.0	22	75	01	02	00	14
86	278	8.6	17	83	00	00	00	19
87	208	14.9	16	82	02	00	00	17
88	217	15.9	22	76	01	01	00	12
89	308	17.6	24	76	00	00	00	20
90	276	10.4	15	84	01	00	00	18
91	272	10.4	17	82	00	01	00	15
92	293	12.2	18	82	00	00	00	12

Hb	: Hemoglobin	RBC	: Red Blood Corpuscles
HCT	: Hematocrit	MCV	: Mean Corpuscular Volume
MCH	: Mean Corpuscular Hemoglobin	MCHC	: Mean Corpuscular Hemoglobin Concentration
WBC	: White Blood Corpuscles	Pt.	: Prothrombin Time
N	: Neutrophils	L	: Lymphocytes
E	: Eosinophils	M	: Monocytes
B	: Basophils		

APPENDIX NO.XIII (Contd.)

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Day : 119

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6 / \mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
93	14.7	7.87	41.1	52.2	18.7	35.8
94	13.9	7.68	39.4	51.3	18.1	35.3
95	13.9	8.17	40.3	49.3	17.0	34.5
96	14.8	8.21	42.7	52.0	18.1	34.7
97	12.6	7.09	36.3	51.2	17.8	34.8
98	11.9	6.74	34.3	50.9	17.6	34.6

Animal No.	Platelets ($\times 10^3 / \mu\text{L}$)	Total WBC ($\times 10^3 / \mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
93	319	16.1	18	80	01	01	00	17
94	313	15.3	20	75	03	02	00	19
95	298	13.8	17	79	02	02	00	15
96	342	15.4	19	77	03	01	00	20
97	257	14.3	18	79	00	03	00	14
98	188	12.0	16	81	02	01	00	11

Hb : Hemoglobin

HCT : Hematocrit

MCH : Mean Corpuscular Hemoglobin

WBC : White Blood Corpuscles

N : Neutrophils

E : Eosinophils

B : Basophils

RBC : Red Blood Corpuscles

MCV : Mean Corpuscular Volume

MCHC : Mean Corpuscular Hemoglobin Concentration

Pt. : Prothrombin Time

L : Lymphocytes

M : Monocytes

APPENDIX NO.XIII (Contd.)

INDIVIDUAL ANIMAL - HAEMATOLOGY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Day : 119

Animal No.	Hb (g/dL)	Total RBC ($\times 10^6 / \mu\text{L}$)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/dL)
99	15.8	7.75	44.7	57.7	20.5	35.4
100	15.9	7.71	44.7	58.0	20.7	35.7
101	14.7	7.31	40.9	56.0	20.1	35.8
102	15.6	7.86	43.8	55.7	19.9	35.7
103	13.9	6.84	38.5	56.3	20.4	36.2
104	16.4	8.25	45.7	55.4	19.9	35.9

Animal No.	Platelets ($\times 10^3 / \mu\text{L}$)	Total WBC ($\times 10^3 / \mu\text{L}$)	Differential %					Pt. (Sec.)
			N	L	E	M	B	
99	281	16.5	19	78	01	02	00	13
100	283	16.6	20	76	02	02	00	17
101	252	11.8	17	79	03	01	00	12
102	224	7.1	18	80	00	02	00	15
103	296	11.5	20	76	01	03	00	18
104	275	7.3	16	80	02	02	00	20

Hb	: Hemoglobin	RBC	: Red Blood Corpuscles
HCT	: Hematocrit	MCV	: Mean Corpuscular Volume
MCH	: Mean Corpuscular Hemoglobin	MCHC	: Mean Corpuscular Hemoglobin Concentration
WBC	: White Blood Corpuscles	Pt.	: Prothrombin Time
N	: Neutrophils	L	: Lymphocytes
E	: Eosinophils	M	: Monocytes
B	: Basophils		

APPENDIX NO.XIV

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Day : 91

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
1	7.40	13	28.34	63	132	117	119
2	6.98	13	28.34	57	118	99	131
3	7.80	13	28.34	62	109	149	100
4	7.11	14	30.52	79	99	251	117
5	7.88	11	23.98	60	105	117	92
6	7.45	12	26.16	72	136	168	139
7	7.97	13	28.34	59	115	147	84
8	6.98	14	30.52	54	101	164	87
9	7.41	11	23.98	42	103	73	108
10	7.41	13	28.34	54	116	105	95

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
1	4.10	7.8	8	0.11	0.99	6.4	0.76
2	4.15	7.4	9	0.13	1.02	6.0	0.72
3	3.75	5.7	8	0.14	1.24	6.6	0.76
4	3.58	5.5	9	0.16	1.12	6.0	0.64
5	3.73	5.8	8	0.14	1.31	6.6	0.73
6	3.52	6.4	6	0.23	1.28	6.2	0.62
7	3.52	5.4	9	0.17	1.21	6.8	0.65
8	3.48	5.5	8	0.14	1.18	5.8	0.60
9	3.46	5.5	9	0.13	1.27	6.1	0.66
10	3.31	5.3	8	0.13	1.12	6.3	0.59

BUN : Blood Urea Nitrogen
ALT : Alanine Aminotransferase
GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase
ALP : Alkaline Phosphatase

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Day : 91

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
1	152.98	4.60	92.81	32	66
2	152.27	4.25	91.25	44	57
3	144.93	4.54	108.59	34	72
4	145.61	4.64	110.45	33	65
5	145.61	4.54	110.92	37	63
6	144.59	3.45	109.98	45	66
7	146.64	3.89	112.82	40	81
8	143.91	3.64	109.98	32	64
9	145.61	3.73	112.82	44	79
10	148.73	3.63	116.23	28	63

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Day : 91

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
11	7.20	16	34.88	49	105	111	95
12	7.81	13	28.34	43	100	87	113
13	7.48	11	23.98	46	95	97	92
14	7.57	12	26.16	38	102	104	84
15	6.87	13	28.34	37	88	99	83
16	7.34	12	26.16	40	91	120	85
17	6.18	12	26.16	50	102	119	69
18	6.80	11	23.98	39	94	103	76
19	6.96	14	30.52	51	98	67	96
20	7.47	12	26.16	44	110	105	92

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
11	3.68	6.3	10	0.15	1.54	5.7	0.78
12	3.70	4.4	8	0.17	1.81	6.0	0.74
13	3.64	5.2	7	0.17	1.43	6.1	0.70
14	3.34	4.0	9	0.19	1.37	6.2	0.66
15	3.55	4.9	5	0.22	1.45	5.4	0.63
16	3.60	4.8	7	0.27	1.58	5.8	0.63
17	3.70	4.3	8	0.15	1.03	5.1	0.57
18	3.43	4.9	8	0.21	1.35	5.5	0.57
19	3.64	4.6	8	0.16	1.37	5.6	0.62
20	3.68	5.0	9	0.10	1.29	6.2	0.70

BUN : Blood Urea Nitrogen
ALT : Alanine Aminotransferase
GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase
ALP : Alkaline Phosphatase

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Day : 91

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
11	146.08	3.27	111.02	45	55
12	145.38	3.73	111.50	66	72
13	146.08	4.13	111.98	61	127
14	143.98	4.02	104.99	56	95
15	146.08	4.39	107.73	33	78
16	145.73	4.37	107.73	35	88
17	147.14	4.06	107.27	44	29
18	146.08	4.26	107.73	49	87
19	146.43	3.79	105.89	51	53
20	146.08	4.32	106.35	46	29

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Day : 119

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
21	7.08	19	41.42	70	127	123	133
22	7.72	18	39.24	45	105	149	84
23	6.76	14	30.52	46	102	108	109
24	7.50	17	37.06	52	108	99	158
25	6.51	16	34.88	51	98	108	84
26	7.12	14	30.52	48	98	82	96

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
21	4.11	6.2	9	0.11	0.99	6.1	0.66
22	4.11	5.8	7	0.08	1.14	6.6	0.69
23	4.34	9.4	8	0.11	1.16	5.6	0.54
24	4.23	9.1	7	0.10	1.20	6.3	0.48
25	4.01	4.9	7	0.15	0.87	5.6	0.50
26	3.99	5.8	8	0.07	1.12	6.0	0.41

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
21	145.91	3.75	109.80	34	71
22	147.33	4.00	107.70	29	56
23	147.04	3.54	111.95	35	52
24	144.78	3.71	107.28	39	54
25	145.91	3.77	109.80	32	100
26	147.04	4.02	107.28	32	82

BUN : Blood Urea Nitrogen
ALT : Alanine Aminotransferase
GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase
ALP : Alkaline Phosphatase

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Day : 119

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
27	7.01	15	32.70	40	99	81	74
28	7.92	18	39.24	36	99	87	110
29	7.13	16	34.88	35	108	89	94
30	7.27	18	39.24	30	82	55	99
31	7.46	16	34.88	43	159	65	93
32	7.01	15	32.70	39	104	74	88

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
27	4.06	6.4	7	0.11	1.29	5.7	0.58
28	3.98	4.4	9	0.08	1.54	6.4	0.77
29	4.13	5.8	8	0.11	1.29	5.8	0.72
30	4.06	3.7	7	0.10	1.50	5.8	0.68
31	4.25	4.6	7	0.14	1.63	5.8	0.64
32	4.16	3.9	7	0.11	1.49	5.5	0.59

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
27	145.06	5.04	112.26	27	48
28	147.04	3.68	110.92	66	61
29	145.62	3.80	111.81	63	66
30	144.78	3.81	111.36	70	113
31	144.21	4.06	108.71	54	49
32	145.62	4.34	112.71	54	47

BUN : Blood Urea Nitrogen
ALT : Alanine Aminotransferase
GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase
ALP : Alkaline Phosphatase

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Day : 91

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
33	7.15	13	28.34	52	127	118	101
34	7.88	14	30.52	48	116	118	82
35	6.95	13	28.34	53	106	130	136
36	7.53	14	30.52	62	140	97	121
37	7.46	12	26.16	55	102	142	83
38	7.41	12	26.16	54	132	102	111
39	7.01	12	26.16	41	103	103	91
40	7.01	13	28.34	51	118	114	97
41	7.82	12	26.16	46	106	90	115
42	6.98	12	26.16	59	132	96	105

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
33	3.60	7.2	9	0.14	1.11	6.0	0.81
34	3.69	5.8	9	0.16	1.17	6.7	0.76
35	3.69	7.6	7	0.13	1.18	5.8	0.66
36	3.44	8.1	8	0.11	0.99	6.5	0.84
37	3.33	5.9	8	0.14	1.27	6.2	0.69
38	3.56	6.5	8	0.10	1.07	6.3	0.70
39	3.70	6.3	8	0.13	1.23	5.8	0.70
40	3.70	6.7	8	0.17	1.15	5.9	0.65
41	3.33	7.2	9	0.15	1.19	6.6	0.72
42	3.58	6.5	7	0.13	1.16	5.8	0.73

BUN : Blood Urea Nitrogen

ALT : Alanine Aminotransferase

GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase

ALP : Alkaline Phosphatase

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

* Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Day : 91

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
33	147.68	4.41	109.05	29	50
34	148.03	4.60	107.67	38	56
35	145.96	4.60	110.45	27	65
36	144.59	3.71	108.59	31	68
37	149.78	3.71	113.79	30	70
38	146.30	4.45	111.39	29	83
39	146.30	4.62	109.05	42	68
40	146.64	4.61	109.98	25	53
41	145.27	3.89	112.82	44	108
42	146.64	4.46	110.45	26	57

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Day : 91

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
43	7.47	13	28.34	37	86	97	88
44	6.68	11	23.98	43	92	69	83
45	7.78	13	28.34	50	100	59	90
46	7.50	14	30.52	66	119	82	80
47	7.13	12	26.16	44	85	77	96
48	7.82	9	19.62	40	102	118	91
49	7.57	12	26.16	34	91	56	98
50	7.78	13	28.34	52	102	76	85
51	6.77	11	23.98	49	124	106	74
52	7.50	15	32.70	36	78	59	78

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
43	3.43	5.4	7	0.13	1.57	5.9	0.77
44	3.21	5.2	7	0.11	1.38	5.3	0.55
45	3.36	6.5	8	0.13	1.50	6.3	0.78
46	3.48	6.3	8	0.13	1.43	6.1	0.74
47	3.64	5.7	7	0.15	1.33	5.8	0.49
48	3.80	5.6	7	0.13	1.52	6.3	0.54
49	3.40	4.2	8	0.11	1.26	6.3	0.71
50	3.68	5.3	8	0.13	1.67	6.1	0.59
51	3.63	5.5	7	0.10	1.21	5.6	0.60
52	3.40	5.1	8	0.12	1.64	5.9	0.52

BUN : Blood Urea Nitrogen
ALT : Alanine Aminotransferase
GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase
ALP : Alkaline Phosphatase

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Day : 91

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
43	149.64	4.09	110.54	51	63
44	145.38	3.88	110.54	47	87
45	147.49	4.08	111.50	49	119
46	148.21	3.96	111.98	49	81
47	145.38	4.31	108.19	62	90
48	146.79	4.59	111.02	40	58
49	146.43	4.28	107.73	68	82
50	145.73	4.68	107.73	51	67
51	146.43	4.62	107.27	51	56
52	143.29	4.63	109.12	34	54

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Day : 91

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
53	8.01	13	28.34	58	130	128	92
54	7.27	13	28.34	56	101	159	96
55	7.22	13	28.34	48	116	69	98
56	6.89	13	28.34	53	128	85	92
57	7.38	12	26.16	41	97	105	105
58	7.21	12	26.16	50	99	106	94
59	7.73	15	32.70	60	142	114	93
60	7.37	15	32.70	56	107	124	88
61	8.35	15	32.70	47	119	136	120
62	7.48	11	23.98	51	142	144	100

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
53	3.38	5.6	9	0.11	1.29	6.7	0.89
54	3.69	5.7	9	0.12	1.19	6.1	0.80
55	3.48	5.7	9	0.10	1.08	6.1	0.75
56	3.66	6.1	10	0.14	1.20	5.7	0.69
57	3.66	5.4	9	0.17	1.34	6.0	0.76
58	3.66	6.2	8	0.15	1.39	5.8	0.72
59	3.75	5.4	8	0.13	1.05	6.7	0.77
60	3.54	6.6	8	0.16	1.39	6.0	0.80
61	3.52	6.8	9	0.09	1.30	7.1	0.87
62	3.52	7.6	10	0.11	1.28	6.2	0.79

BUN : Blood Urea Nitrogen
ALT : Alanine Aminotransferase
GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase
ALP : Alkaline Phosphatase

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Day : 91

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
53	150.13	3.69	112.34	32	85
54	146.99	3.73	108.59	29	64
55	145.27	3.48	107.67	31	79
56	146.99	4.56	109.52	36	75
57	144.93	4.09	108.59	46	100
58	145.96	4.43	110.92	33	63
59	146.30	4.59	109.52	34	101
60	148.03	3.95	110.92	61	63
61	146.99	3.80	110.92	41	73
62	145.27	3.71	107.67	45	79

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Day : 91

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
63	6.75	13	28.34	52	112	117	76
64	7.55	13	28.34	39	94	102	89
65	7.72	15	32.70	55	106	84	107
66	8.27	13	28.34	47	120	128	98
67	9.00	15	32.70	52	115	94	115
68	8.82	13	28.34	48	124	109	103
69	8.36	15	32.70	49	119	98	86
70	8.78	15	32.70	52	124	115	98
71	9.00	15	32.70	48	119	100	106
72	9.37	15	32.70	47	135	99	109

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
63	3.48	4.7	8	0.08	1.17	5.6	0.55
64	3.83	5.1	8	0.14	1.49	6.1	0.50
65	3.24	4.6	9	0.14	1.56	6.2	0.57
66	3.91	5.0	9	0.15	1.44	6.8	0.65
67	3.83	4.9	9	0.16	1.71	7.3	0.58
68	3.66	4.9	9	0.13	1.48	7.3	0.69
69	3.48	5.0	8	0.18	1.44	6.9	0.59
70	3.66	5.9	8	0.24	1.73	7.0	0.64
71	3.59	5.3	8	0.22	1.91	7.1	0.66
72	3.78	4.6	8	0.19	1.87	7.5	0.72

BUN : Blood Urea Nitrogen
ALT : Alanine Aminotransferase
GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase
ALP : Alkaline Phosphatase

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Day : 91

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
63	147.14	3.91	103.20	54	30
64	147.85	4.02	104.09	58	90
65	147.14	4.09	104.99	60	47
66	148.21	4.39	101.44	54	22
67	147.14	4.23	105.89	78	52
68	143.29	4.32	107.73	67	55
69	143.98	4.08	107.27	52	83
70	145.73	4.39	106.35	64	102
71	145.73	4.56	104.99	58	114
72	146.79	4.57	104.54	74	124

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Day : 91

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
73	7.23	13	28.34	55	121	114	70
74	6.98	13	28.34	50	112	126	90
75	6.62	14	30.52	50	119	165	85
76	6.73	11	23.98	49	100	98	90
77	6.62	11	23.98	54	112	102	88
78	6.64	14	30.52	58	99	133	97
79	6.72	13	28.34	45	86	114	93
80	7.45	12	26.16	44	90	131	83
81	7.56	12	26.16	56	126	158	84
82	7.33	12	26.16	48	102	102	86

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
73	3.41	5.3	8	0.14	1.10	6.1	0.72
74	3.48	4.9	8	0.12	1.10	5.9	0.69
75	3.69	6.4	7	0.11	1.18	5.4	0.63
76	3.75	6.4	7	0.12	1.20	5.5	0.66
77	3.63	6.0	8	0.16	1.14	5.5	0.60
78	3.69	5.5	10	0.11	1.09	5.5	0.60
79	3.69	5.8	9	0.10	1.06	5.7	0.64
80	3.52	5.2	9	0.14	1.22	6.2	0.68
81	3.52	5.9	9	0.10	1.01	6.6	0.66
82	3.54	5.1	9	0.14	1.31	6.0	0.59

BUN : Blood Urea Nitrogen
ALT : Alanine Aminotransferase
GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase
ALP : Alkaline Phosphatase

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Day : 91

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
73	145.61	3.73	113.30	38	69
74	146.99	3.91	113.30	33	83
75	145.96	4.55	109.05	21	62
76	145.96	4.57	107.67	27	62
77	146.99	4.38	111.39	34	66
78	144.93	4.07	109.05	36	66
79	146.99	4.53	109.52	38	111
80	145.61	3.48	108.59	32	102
81	145.27	3.69	107.22	32	60
82	148.03	3.93	110.45	30	64

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Day : 91

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
83	6.99	14	30.52	56	136	74	67
84	7.45	11	23.98	57	102	114	82
85	6.59	15	32.70	45	107	72	73
86	7.37	16	34.88	44	111	67	71
87	6.88	12	26.16	43	100	83	77
88	7.44	15	32.70	52	106	102	83
89	7.09	11	23.98	39	104	76	77
90	7.94	12	26.16	47	116	102	61
91	7.08	17	37.06	38	107	78	95
92	7.09	11	23.98	51	118	81	68

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
83	3.21	4.6	8	0.09	1.28	5.7	0.72
84	3.60	4.2	8	0.13	1.49	6.0	0.68
85	3.64	6.0	8	0.08	1.10	5.5	0.70
86	3.80	5.0	7	0.09	1.53	5.8	0.75
87	3.29	4.6	7	0.08	1.32	5.6	0.72
88	3.60	5.1	7	0.12	1.43	6.0	0.77
89	3.72	5.1	8	0.15	1.51	5.6	0.72
90	3.64	4.8	8	0.10	1.64	6.3	0.77
91	3.80	5.4	8	0.10	1.48	5.6	0.81
92	3.34	4.9	8	0.10	1.47	5.6	0.70

BUN : Blood Urea Nitrogen
ALT : Alanine Aminotransferase
GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase
ALP : Alkaline Phosphatase

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Day : 91

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
83	144.33	4.26	107.27	34	57
84	146.08	4.21	103.64	48	91
85	147.14	4.16	102.32	45	49
86	147.49	4.57	102.75	33	33
87	146.08	4.04	106.81	42	112
88	144.68	4.25	107.27	45	40
89	146.79	4.43	107.27	46	77
90	147.49	3.95	106.35	57	52
91	148.56	4.45	107.27	40	58
92	145.03	4.02	105.89	54	41

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Day : 119

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
93	6.61	16	34.88	44	102	142	82
94	7.22	16	34.88	52	128	129	162
95	7.09	19	41.42	73	130	127	133
96	6.79	15	32.70	56	121	154	85
97	6.97	17	37.06	45	101	99	91
98	6.92	17	37.06	47	105	95	90

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
93	4.13	6.8	8	0.07	0.99	5.6	0.55
94	4.25	7.1	8	0.10	0.96	6.3	0.68
95	4.29	6.2	9	0.12	1.00	6.1	0.67
96	4.35	5.9	9	0.13	1.01	5.8	0.52
97	4.03	5.7	8	0.15	1.12	5.8	0.51
98	4.03	5.8	10	0.13	1.11	5.8	0.50

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
93	145.34	4.81	100.83	25	68
94	146.76	3.87	104.00	33	61
95	148.77	4.22	102.80	32	73
96	146.19	4.07	104.41	25	49
97	143.94	4.81	108.11	38	100
98	145.34	3.90	110.66	38	100

BUN : Blood Urea Nitrogen
ALT : Alanine Aminotransferase
GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase
ALP : Alkaline Phosphatase

APPENDIX NO.XIV (Contd.)

INDIVIDUAL ANIMAL - CLINICAL BIOCHEMISTRY

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Day : 119

Animal No.	Total Protein (g/dL)	BUN (mg/dL)	Urea Nitrogen (mg/dL)	ALT (U/L)	AST (U/L)	ALP (U/L)	Glucose (mg/dL)
99	8.26	20	43.60	36	100	60	86
100	7.61	19	41.42	45	110	68	78
101	7.57	18	39.24	43	107	76	89
102	7.56	17	37.06	35	107	98	96
103	7.23	18	39.24	37	90	77	84
104	7.50	15	32.70	50	134	76	90

Animal No.	Calcium (mmol/L)	Phosphorous (mg/dL)	GGT (U/L)	Total Bilirubin (mg/dL)	Albumin (g/dL)	Globulin (g/dL)	Creatinine (mg/dL)
99	4.10	4.0	6	0.11	1.63	6.6	0.77
100	4.16	4.7	6	0.14	1.54	6.1	0.62
101	4.14	6.3	6	0.08	1.42	6.2	0.72
102	3.95	5.5	6	0.09	1.37	6.2	0.69
103	4.04	4.4	7	0.10	1.25	6.0	0.50
104	4.13	4.5	10	0.12	1.47	6.0	0.59

Animal No.	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)	Total Cholesterol (mg/dL)	Triglycerides (mg/dL)
99	145.06	3.82	110.92	65	67
100	145.34	4.22	115.92	45	51
101	146.19	4.38	118.27	32	39
102	145.62	4.35	112.26	44	41
103	144.78	4.10	106.99	31	58
104	144.78	4.52	109.59	51	51

BUN : Blood Urea Nitrogen
ALT : Alanine Aminotransferase
GGT : Gamma Glutamyl Transferase

AST : Aspartate Aminotransferase
ALP : Alkaline Phosphatase

APPENDIX NO.XV

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Day : 86

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
1	Clear	Yellow	9.0	-ve	-ve	-ve	1.020	-ve
2	Clear	Yellow	8.5	-ve	-ve	-ve	1.020	-ve
3	Clear	Yellow	7.0	-ve	-ve	-ve	1.015	-ve
4	Clear	Yellow	8.1	-ve	-ve	-ve	1.015	-ve
5	Clear	Pale Yellow	7.0	-ve	-ve	-ve	1.020	-ve
6	Clear	Yellow	6.2	-ve	-ve	-ve	1.015	-ve
7	Clear	Pale Yellow	8.1	-ve	-ve	-ve	1.020	-ve
8	Clear	Yellow	10.0	-ve	-ve	-ve	1.020	-ve
9	Clear	Yellow	7.0	-ve	-ve	-ve	1.015	-ve
10	Clear	Yellow	8.1	-ve	-ve	-ve	1.020	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
1	7.0	++	-ve	-ve
2	7.5	+	-ve	-ve
3	7.5	+	-ve	-ve
4	7.5	++	-ve	-ve
5	7.0	+	-ve	-ve
6	7.5	+	-ve	-ve
7	7.5	++	-ve	-ve
8	7.0	+	-ve	-ve
9	7.5	++	-ve	-ve
10	7.5	+	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
Trace = +
Small amount of analyte = ++
Moderate amount of analyte = +++
Large amount of analyte = ++++

APPENDIX NO.XV (Contd.)

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Day : 87

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
11	Clear	Yellow	6.0	-ve	-ve	-ve	1.015	-ve
12	Clear	Yellow	5.2	-ve	-ve	-ve	1.015	-ve
13	Clear	Yellow	7.4	-ve	-ve	-ve	1.020	-ve
14	Clear	Pale Yellow	6.0	-ve	-ve	-ve	1.015	-ve
15	Clear	Yellow	5.1	-ve	-ve	-ve	1.020	-ve
16	Clear	Pale Yellow	4.0	-ve	-ve	-ve	1.015	-ve
17	Clear	Yellow	7.0	-ve	-ve	-ve	1.015	-ve
18	Clear	Yellow	6.2	-ve	-ve	-ve	1.020	-ve
19	Clear	Yellow	5.8	-ve	-ve	-ve	1.015	-ve
20	Clear	Yellow	6.0	-ve	-ve	-ve	1.020	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
11	7.5	++	-ve	-ve
12	7.5	+	-ve	-ve
13	7.5	+	-ve	-ve
14	7.0	++	-ve	-ve
15	7.5	+	-ve	-ve
16	7.0	+	-ve	-ve
17	7.0	++	-ve	-ve
18	7.5	+	-ve	-ve
19	7.5	+	-ve	-ve
20	7.5	++	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
Trace = +
Small amount of analyte = ++
Moderate amount of analyte = +++
Large amount of analyte = ++++

APPENDIX NO.XV (Contd.)

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Day : 119

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
21	Clear	Yellow	9.7	-ve	-ve	-ve	1.015	-ve
22	Clear	Yellow	8.9	-ve	-ve	-ve	1.015	-ve
23	Clear	Yellow	10.0	-ve	-ve	-ve	1.020	-ve
24	Clear	Yellow	8.7	-ve	-ve	-ve	1.020	-ve
25	Clear	Yellow	9.2	-ve	-ve	-ve	1.015	-ve
26	Clear	Yellow	7.2	-ve	-ve	-ve	1.015	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
21	7.5	++	-ve	-ve
22	7.5	+	-ve	-ve
23	7.5	+	-ve	-ve
24	7.0	++	-ve	-ve
25	7.5	+	-ve	-ve
26	7.5	++	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
Trace = +
Small amount of analyte = ++
Moderate amount of analyte = +++
Large amount of analyte = ++++

APPENDIX NO.XV (Contd.)

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Day : 119

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
27	Clear	Yellow	7.2	-ve	-ve	-ve	1.015	-ve
28	Clear	Yellow	8.4	-ve	-ve	-ve	1.020	-ve
29	Clear	Pale Yellow	9.0	-ve	-ve	-ve	1.015	-ve
30	Clear	Yellow	8.3	-ve	-ve	-ve	1.015	-ve
31	Clear	Yellow	6.9	-ve	-ve	-ve	1.020	-ve
32	Clear	Yellow	9.1	-ve	-ve	-ve	1.015	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
27	7.5	++	-ve	-ve
28	7.5	+	-ve	-ve
29	7.0	+	-ve	-ve
30	7.5	++	-ve	-ve
31	7.5	++	-ve	-ve
32	7.0	++	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
Trace = +
Small amount of analyte = ++
Moderate amount of analyte = +++
Large amount of analyte = ++++

APPENDIX NO.XV (Contd.)

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Day : 86

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
33	Clear	Yellow	9.0	-ve	-ve	-ve	1.020	-ve
34	Clear	Yellow	6.1	-ve	-ve	-ve	1.020	-ve
35	Clear	Yellow	8.6	-ve	-ve	-ve	1.020	-ve
36	Clear	Yellow	5.4	-ve	-ve	-ve	1.015	-ve
37	Clear	Yellow	9.2	-ve	-ve	-ve	1.015	-ve
38	Clear	Yellow	8.7	-ve	-ve	-ve	1.015	-ve
39	Clear	Yellow	7.2	-ve	-ve	-ve	1.020	-ve
40	Clear	Yellow	5.4	-ve	-ve	-ve	1.015	-ve
41	Clear	Pale Yellow	7.3	-ve	-ve	-ve	1.020	-ve
42	Clear	Yellow	8.4	-ve	-ve	-ve	1.020	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
33	7.5	++	-ve	-ve
34	7.5	+	-ve	-ve
35	7.5	++	-ve	-ve
36	7.0	+	-ve	-ve
37	7.0	+	-ve	-ve
38	7.5	++	-ve	-ve
39	7.5	+	-ve	-ve
40	7.0	+	-ve	-ve
41	7.5	++	-ve	-ve
42	7.0	+	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
Trace = +
Small amount of analyte = ++
Moderate amount of analyte = +++
Large amount of analyte = ++++

APPENDIX NO.XV (Contd.)

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Day : 87

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
43	Clear	Yellow	6.0	-ve	-ve	-ve	1.015	-ve
44	Clear	Yellow	5.2	-ve	-ve	-ve	1.015	-ve
45	Clear	Yellow	4.0	-ve	-ve	-ve	1.020	-ve
46	Clear	Yellow	5.0	-ve	-ve	-ve	1.015	-ve
47	Clear	Pale Yellow	6.1	-ve	-ve	-ve	1.015	-ve
48	Clear	Yellow	5.8	-ve	-ve	-ve	1.020	-ve
49	Clear	Yellow	5.2	-ve	-ve	-ve	1.015	-ve
50	Clear	Pale Yellow	6.2	-ve	-ve	-ve	1.015	-ve
51	Clear	Yellow	7.0	-ve	-ve	-ve	1.015	-ve
52	Clear	Yellow	7.2	-ve	-ve	-ve	1.020	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
43	7.5	++	-ve	-ve
44	7.0	+	-ve	-ve
45	7.5	+	-ve	-ve
46	7.0	++	-ve	-ve
47	7.5	+	-ve	-ve
48	7.5	+	-ve	-ve
49	7.5	++	-ve	-ve
50	7.5	+	-ve	-ve
51	7.0	++	-ve	-ve
52	7.5	+	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
Trace = +
Small amount of analyte = ++
Moderate amount of analyte = +++
Large amount of analyte = ++++

APPENDIX NO.XV (Contd.)

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Day : 87

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
53	Clear	Yellow	7.5	-ve	-ve	-ve	1.020	-ve
54	Clear	Yellow	8.2	-ve	-ve	-ve	1.015	-ve
55	Clear	Yellow	9.0	-ve	-ve	-ve	1.020	-ve
56	Clear	Yellow	7.0	-ve	-ve	-ve	1.015	-ve
57	Clear	Yellow	6.4	-ve	-ve	-ve	1.015	-ve
58	Clear	Pale Yellow	7.2	-ve	-ve	-ve	1.020	-ve
59	Clear	Yellow	6.1	-ve	-ve	-ve	1.020	-ve
60	Clear	Pale Yellow	5.9	-ve	-ve	-ve	1.015	-ve
61	Clear	Yellow	6.0	-ve	-ve	-ve	1.020	-ve
62	Clear	Yellow	7.0	-ve	-ve	-ve	1.015	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
53	7.5	++	-ve	-ve
54	7.5	++	-ve	-ve
55	7.0	+	-ve	-ve
56	7.5	+	-ve	-ve
57	7.5	++	-ve	-ve
58	7.5	+	-ve	-ve
59	7.0	++	-ve	-ve
60	7.0	+	-ve	-ve
61	7.5	+	-ve	-ve
62	7.5	++	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
Trace = +
Small amount of analyte = ++
Moderate amount of analyte = +++
Large amount of analyte = ++++

APPENDIX NO.XV (Contd.)

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Day : 88

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
63	Clear	Yellow	6.0	-ve	-ve	-ve	1.020	-ve
64	Clear	Yellow	5.2	-ve	-ve	-ve	1.015	-ve
65	Clear	Yellow	5.7	-ve	-ve	-ve	1.020	-ve
66	Clear	Pale Yellow	6.0	-ve	-ve	-ve	1.015	-ve
67	Clear	Yellow	7.4	-ve	-ve	-ve	1.015	-ve
68	Clear	Yellow	8.1	-ve	-ve	-ve	1.020	-ve
69	Clear	Yellow	5.8	-ve	-ve	-ve	1.020	-ve
70	Clear	Yellow	6.7	-ve	-ve	-ve	1.015	-ve
71	Clear	Yellow	7.7	-ve	-ve	-ve	1.020	-ve
72	Clear	Pale Yellow	7.9	-ve	-ve	-ve	1.020	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
63	7.5	++	-ve	-ve
64	7.0	+	-ve	-ve
65	7.5	+	-ve	-ve
66	7.5	++	-ve	-ve
67	7.0	+	-ve	-ve
68	7.5	+	-ve	-ve
69	7.5	++	-ve	-ve
70	7.5	+	-ve	-ve
71	7.0	+	-ve	-ve
72	7.5	++	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
Trace = +
Small amount of analyte = ++
Moderate amount of analyte = +++
Large amount of analyte = ++++

APPENDIX NO.XV (Contd.)

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Day : 87

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
73	Clear	Yellow	6.2	-ve	-ve	-ve	1.020	-ve
74	Clear	Yellow	7.4	-ve	-ve	-ve	1.015	-ve
75	Clear	Yellow	8.0	-ve	-ve	-ve	1.020	-ve
76	Clear	Yellow	9.0	-ve	-ve	-ve	1.020	-ve
77	Clear	Pale Yellow	5.6	-ve	-ve	-ve	1.015	-ve
78	Clear	Yellow	6.7	-ve	-ve	-ve	1.015	-ve
79	Clear	Pale Yellow	7.5	-ve	-ve	-ve	1.015	-ve
80	Clear	Yellow	8.1	-ve	-ve	-ve	1.020	-ve
81	Clear	Pale Yellow	7.9	-ve	-ve	-ve	1.020	-ve
82	Clear	Yellow	7.0	-ve	-ve	-ve	1.015	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
73	7.5	++	-ve	-ve
74	7.5	+	-ve	-ve
75	7.0	++	-ve	-ve
76	7.5	+	-ve	-ve
77	7.0	+	-ve	-ve
78	7.5	++	-ve	-ve
79	7.5	+	-ve	-ve
80	7.0	++	-ve	-ve
81	7.5	+	-ve	-ve
82	7.5	+	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
Trace = +
Small amount of analyte = ++
Moderate amount of analyte = +++
Large amount of analyte = ++++

APPENDIX NO.XV (Contd.)

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Day : 88

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
83	Clear	Yellow	6.4	-ve	-ve	-ve	1.020	-ve
84	Clear	Yellow	7.2	-ve	-ve	-ve	1.015	-ve
85	Clear	Pale Yellow	7.0	-ve	-ve	-ve	1.020	-ve
86	Clear	Yellow	5.4	-ve	-ve	-ve	1.020	-ve
87	Clear	Yellow	6.1	-ve	-ve	-ve	1.015	-ve
88	Clear	Yellow	6.8	-ve	-ve	-ve	1.020	-ve
89	Clear	Yellow	7.2	-ve	-ve	-ve	1.015	-ve
90	Clear	Pale Yellow	8.2	-ve	-ve	-ve	1.020	-ve
91	Clear	Yellow	7.4	-ve	-ve	-ve	1.015	-ve
92	Clear	Yellow	9.0	-ve	-ve	-ve	1.020	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
83	7.5	++	-ve	-ve
84	7.0	+	-ve	-ve
85	7.5	+	-ve	-ve
86	7.5	++	-ve	-ve
87	7.0	+	-ve	-ve
88	7.0	+	-ve	-ve
89	7.5	++	-ve	-ve
90	7.0	+	-ve	-ve
91	7.0	+	-ve	-ve
92	7.5	++	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
Trace = +
Small amount of analyte = ++
Moderate amount of analyte = +++
Large amount of analyte = ++++

APPENDIX NO.XV (Contd.)

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Day : 119

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
93	Clear	Yellow	8.5	-ve	-ve	-ve	1.015	-ve
94	Clear	Yellow	9.0	-ve	-ve	-ve	1.015	-ve
95	Clear	Pale Yellow	8.9	-ve	-ve	-ve	1.020	-ve
96	Clear	Yellow	9.0	-ve	-ve	-ve	1.020	-ve
97	Clear	Yellow	7.5	-ve	-ve	-ve	1.015	-ve
98	Clear	Yellow	7.0	-ve	-ve	-ve	1.020	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
93	7.5	++	-ve	-ve
94	7.5	++	-ve	-ve
95	7.0	+	-ve	-ve
96	7.0	+	-ve	-ve
97	7.5	++	-ve	-ve
98	7.5	++	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
Trace = +
Small amount of analyte = ++
Moderate amount of analyte = +++
Large amount of analyte = ++++

APPENDIX NO.XV (Contd.)

INDIVIDUAL ANIMAL - URINE ANALYSES

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Day : 119

Animal No.	Appearance	Colour	Volume (ml)	Glucose (mmol/L)	Bilirubin (mmol/L)	Ketones (mmol/L)	Sp.Gr. (g/L)	Occult Blood (caCELLS/ μ L)
99	Clear	Yellow	7.8	-ve	-ve	-ve	1.015	-ve
100	Clear	Yellow	8.2	-ve	-ve	-ve	1.020	-ve
101	Clear	Yellow	7.0	-ve	-ve	-ve	1.015	-ve
102	Clear	Yellow	6.2	-ve	-ve	-ve	1.015	-ve
103	Clear	Yellow	8.2	-ve	-ve	-ve	1.020	-ve
104	Clear	Yellow	9.0	-ve	-ve	-ve	1.020	-ve

Animal No.	pH	Proteins (g/L)	Urobilinogen (mmol/L)	Nitrite
99	7.5	++	-ve	-ve
100	7.5	+	-ve	-ve
101	7.0	++	-ve	-ve
102	7.5	+	-ve	-ve
103	7.5	++	-ve	-ve
104	7.5	+	-ve	-ve

Sp.Gr. : Specific gravity +ve : Positive -ve : Negative

Qualitative

Absent = 0
 Trace = +
 Small amount of analyte = ++
 Moderate amount of analyte = +++
 Large amount of analyte = ++++

APPENDIX NO.XVI

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
1	503.0	2.096	17.960	3.479	0.0431	3.539
2	472.3	2.276	18.305	3.352	0.0696	3.234
3	440.4	2.094	13.399	2.688	0.0466	2.892
4	432.9	2.066	14.326	2.835	0.0389	3.464
5	431.6	2.266	14.039	3.040	0.0532	3.298
6	445.2	2.027	13.876	2.856	0.0696	3.539
7	412.4	2.051	11.321	2.863	0.0381	3.524
8	448.8	2.120	14.640	3.131	0.0830	3.299
9	459.2	2.174	18.039	3.595	0.0885	3.190
10	441.4	2.206	14.086	2.785	0.0548	3.173

Animal No.	Heart	Spleen	Thymus	Epididymides
1	1.471	1.874	0.226	1.405
2	1.929	1.929	0.261	1.304
3	1.302	1.302	0.229	1.146
4	1.590	1.651	0.273	1.290
5	1.389	1.809	0.273	1.228
6	1.426	1.410	0.234	1.234
7	1.371	1.551	0.415	1.261
8	1.593	1.629	0.217	1.292
9	1.715	1.766	0.216	1.303
10	1.508	1.513	0.190	1.234

APPENDIX NO.XVI (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
11	261.4	2.041	8.407	1.778	0.0523	0.0908
12	251.4	1.947	8.377	1.709	0.0555	0.0857
13	280.1	1.857	8.039	1.716	0.0510	0.0830
14	270.1	1.855	7.663	1.933	0.0589	0.0913
15	280.4	2.058	9.139	1.976	0.0767	0.0922
16	292.0	2.091	7.675	1.672	0.0512	0.0762
17	280.5	2.013	7.567	1.515	0.0544	0.0929
18	296.7	1.919	8.745	1.705	0.0601	0.0805
19	270.1	1.989	7.561	1.763	0.0680	0.0970
20	268.5	2.174	7.556	1.960	0.0641	0.0841

Animal No.	Heart	Spleen	Thymus	Uterus
11	0.950	1.328	0.145	0.331
12	1.115	0.752	0.209	0.440
13	0.981	0.825	0.319	0.448
14	1.078	1.075	0.274	0.364
15	1.165	1.182	0.251	0.358
16	0.920	0.712	0.294	0.360
17	0.752	0.963	0.249	0.288
18	1.114	1.295	0.349	0.596
19	1.046	1.046	0.269	0.461
20	1.233	0.805	0.231	0.453

APPENDIX NO.XVI (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Day : 119

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
21	483.6	2.006	17.493	3.029	0.0502	3.247
22	498.3	2.157	13.356	3.059	0.0580	3.239
23	504.5	2.165	17.507	3.361	0.0500	3.418
24	481.1	2.285	17.460	3.230	0.0683	3.455
25	483.5	2.058	16.372	3.328	0.0502	3.168
26	505.2	2.184	14.872	3.005	0.0557	3.050

Animal No.	Heart	Spleen	Thymus	Epididymides
21	1.529	1.788	0.323	1.147
22	1.582	1.420	0.170	1.197
23	1.635	1.348	0.185	1.098
24	1.891	1.264	0.220	1.269
25	1.538	1.225	0.180	1.153
26	1.702	1.734	0.174	1.051

APPENDIX NO.XVI (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Day : 119

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
27	288.2	2.032	9.456	1.768	0.0490	0.0900
28	301.8	2.101	9.382	1.915	0.0699	0.0776
29	294.3	1.963	8.015	1.527	0.0460	0.0661
30	298.6	2.091	10.905	1.769	0.0846	0.0797
31	285.4	2.116	8.825	1.772	0.0717	0.0763
32	282.7	2.183	8.542	1.830	0.0792	0.0712

Animal No.	Heart	Spleen	Thymus	Uterus
27	1.052	0.897	0.215	0.352
28	1.012	0.985	0.201	0.374
29	0.989	0.936	0.272	0.583
30	1.160	0.998	0.216	0.427
31	0.883	0.803	0.210	0.513
32	1.146	0.849	0.342	0.480

APPENDIX NO.XVI (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
33	443.0	2.201	13.633	3.123	0.0700	3.082
34	407.4	2.056	13.655	3.291	0.0655	3.386
35	454.4	2.366	18.075	3.518	0.0457	3.370
36	461.1	2.021	12.762	2.959	0.0711	3.059
37	471.0	2.014	12.468	2.646	0.0600	3.220
38	503.1	2.200	19.355	3.600	0.0948	3.332
39	476.4	2.140	15.798	3.175	0.0671	3.396
40	480.9	2.264	16.130	3.617	0.0821	3.871
41	490.5	2.092	18.143	3.545	0.0961	3.165
42	507.1	2.415	17.148	3.565	0.0918	3.731

Animal No.	Heart	Spleen	Thymus	Epididymides
33	1.433	0.890	0.239	1.162
34	1.428	1.440	0.209	1.283
35	1.879	2.010	0.392	1.318
36	1.156	1.675	0.349	0.998
37	1.321	1.350	0.189	1.238
38	1.699	1.510	0.424	1.250
39	1.727	1.583	0.359	1.226
40	1.852	1.354	0.220	1.448
41	1.825	1.670	0.234	1.247
42	1.997	1.234	0.203	1.275

APPENDIX NO.XVI (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
43	258.4	1.977	8.387	1.632	0.0666	0.0833
44	274.3	1.907	8.825	1.829	0.0715	0.0750
45	288.9	2.003	9.686	1.925	0.0615	0.0925
46	287.8	1.848	8.925	1.836	0.0681	0.0618
47	271.8	1.876	7.502	1.796	0.0656	0.0625
48	276.3	1.905	7.636	1.548	0.0624	0.0717
49	298.4	1.806	8.612	1.724	0.0691	0.0826
50	289.6	2.115	7.966	1.615	0.0500	0.0510
51	276.8	1.924	7.974	1.641	0.0769	0.0901
52	275.7	1.908	7.924	1.502	0.0554	0.0602

Animal No.	Heart	Spleen	Thymus	Uterus
43	1.339	0.999	0.331	0.644
44	0.970	1.111	0.245	0.485
45	0.905	1.026	0.206	0.394
46	1.008	1.183	0.202	0.317
47	0.924	0.933	0.211	0.391
48	0.910	0.912	0.266	0.519
49	0.926	0.980	0.305	0.471
50	0.984	0.931	0.284	0.482
51	0.900	0.988	0.276	0.265
52	1.002	0.858	0.210	0.478

APPENDIX NO.XVI (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
53	467.5	2.057	13.927	2.807	0.0887	3.308
54	480.8	2.171	13.091	2.798	0.0479	3.192
55	492.2	2.223	16.577	3.253	0.0363	3.033
56	429.5	2.270	16.267	3.291	0.0528	3.829
57	450.6	2.093	13.535	2.948	0.0796	2.845
58	451.1	2.153	12.921	2.704	0.0754	3.535
59	414.4	2.152	12.889	2.498	0.0915	2.845
60	425.9	2.102	12.037	2.628	0.0610	3.438
61	430.0	1.982	14.109	2.837	0.0438	2.880
62	466.8	2.145	13.385	2.923	0.0606	3.189

Animal No.	Heart	Spleen	Thymus	Epididymides
53	1.349	1.575	0.276	1.106
54	1.672	1.418	0.190	1.004
55	1.750	1.955	0.254	1.043
56	1.600	1.906	0.334	1.285
57	1.762	1.774	0.185	1.139
58	1.529	1.750	0.230	1.221
59	1.475	1.552	0.211	0.910
60	1.320	1.910	0.265	1.120
61	2.039	1.223	0.195	1.210
62	1.770	1.114	0.216	1.175

APPENDIX NO.XVI (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
63	266.3	2.003	8.792	1.800	0.0685	0.0930
64	298.9	2.066	10.050	2.022	0.0804	0.0920
65	269.2	2.078	8.373	1.713	0.0631	0.0831
66	301.0	2.059	8.631	1.819	0.0730	0.0811
67	257.6	1.861	7.444	1.747	0.0788	0.0961
68	273.1	2.077	9.473	1.615	0.0810	0.0821
69	274.3	1.894	9.345	1.900	0.0633	0.0962
70	273.1	2.046	7.901	1.667	0.0580	0.0768
71	318.1	2.081	10.061	2.231	0.0901	0.0862
72	266.2	2.043	10.260	1.829	0.0754	0.0786

Animal No.	Heart	Spleen	Thymus	Uterus
63	1.010	1.000	0.175	0.388
64	1.262	1.144	0.186	0.258
65	1.020	1.090	0.309	0.486
66	0.980	1.102	0.268	0.389
67	0.991	1.013	0.268	0.317
68	1.313	0.999	0.243	0.326
69	1.095	1.048	0.286	0.468
70	0.939	1.091	0.243	0.395
71	1.190	1.020	0.235	0.491
72	1.067	1.097	0.215	0.473

APPENDIX NO.XVI (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
73	410.3	2.283	13.856	2.758	0.0579	3.037
74	437.6	2.211	14.548	3.146	0.0453	2.906
75	495.5	2.108	13.549	2.945	0.0721	3.544
76	450.4	2.173	14.131	3.042	0.0670	3.340
77	476.2	2.203	15.191	3.485	0.0731	3.475
78	452.3	2.154	13.292	2.855	0.0534	2.801
79	443.2	1.981	12.616	2.892	0.0652	2.977
80	494.4	2.059	14.636	2.958	0.0843	3.088
81	452.4	2.057	17.170	2.855	0.0580	3.520
82	466.0	2.106	16.480	2.964	0.0695	3.451

Animal No.	Heart	Spleen	Thymus	Epididymides
73	1.301	1.134	0.179	1.148
74	1.690	1.407	0.305	1.103
75	1.488	1.906	0.197	1.128
76	1.571	1.309	0.241	1.152
77	2.016	1.610	0.225	1.198
78	1.326	1.943	0.293	0.936
79	1.811	1.488	0.248	1.089
80	1.463	1.780	0.294	1.031
81	1.706	1.700	0.331	1.157
82	1.674	2.072	0.247	1.306

APPENDIX NO.XVI (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
83	281.6	1.902	7.679	1.629	0.0714	0.0918
84	278.4	1.802	6.483	1.692	0.0599	0.0920
85	305.2	1.850	9.826	1.866	0.0775	0.0767
86	315.3	2.147	8.121	1.886	0.0772	0.0785
87	266.1	1.931	7.270	1.671	0.0501	0.0576
88	269.6	1.946	7.880	1.770	0.0690	0.0955
89	266.7	1.940	8.170	1.615	0.0615	0.0812
90	286.0	2.017	8.830	1.735	0.0621	0.0881
91	274.8	2.111	6.817	1.599	0.0595	0.0695
92	276.5	2.017	9.286	1.985	0.0575	0.0960

Animal No.	Heart	Spleen	Thymus	Uterus
83	0.996	0.749	0.297	0.490
84	1.093	0.898	0.200	0.505
85	1.008	1.820	0.321	0.360
86	1.223	1.091	0.221	0.419
87	1.014	0.970	0.332	0.361
88	1.060	0.820	0.233	0.380
89	1.052	0.789	0.312	0.489
90	1.199	1.046	0.309	0.452
91	1.022	0.632	0.224	0.365
92	1.071	0.820	0.318	0.349

APPENDIX NO.XVI (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Day : 119

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
93	471.4	2.045	13.923	2.895	0.0523	3.710
94	500.2	2.154	15.578	3.454	0.0796	3.556
95	531.3	2.261	16.583	3.627	0.0607	3.615
96	470.6	2.200	15.824	3.422	0.0822	3.682
97	473.3	1.967	14.813	3.032	0.0489	3.491
98	494.8	2.250	14.740	2.718	0.0530	3.119

Animal No.	Heart	Spleen	Thymus	Epididymides
93	1.538	1.328	0.166	1.185
94	1.654	0.965	0.215	1.178
95	1.812	1.729	0.347	1.252
96	1.363	1.375	0.200	1.224
97	1.357	1.596	0.221	1.165
98	1.391	1.726	0.254	1.143

APPENDIX NO.XVI (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - ABSOLUTE VALUES (g)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Day : 119

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
99	304.3	2.070	9.824	1.859	0.0912	0.0736
100	266.5	2.176	8.376	1.592	0.0699	0.0951
101	276.0	2.176	9.286	1.996	0.0743	0.0870
102	284.0	2.101	8.333	1.986	0.0648	0.0878
103	286.4	2.174	8.746	1.885	0.0608	0.0750
104	285.6	2.018	8.533	1.925	0.0750	0.0889

Animal No.	Heart	Spleen	Thymus	Uterus
99	1.147	1.203	0.205	0.356
100	0.924	0.925	0.221	0.373
101	1.181	1.160	0.202	0.336
102	0.929	0.854	0.216	0.450
103	1.010	1.147	0.217	0.389
104	0.920	0.927	0.231	0.398

APPENDIX NO.XVII

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : I

Dose : 0 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
1	503.0	0.417	3.571	0.692	0.0086	0.704
2	472.3	0.482	3.876	0.710	0.0147	0.685
3	440.4	0.475	3.042	0.610	0.0106	0.657
4	432.9	0.477	3.309	0.655	0.0090	0.800
5	431.6	0.525	3.253	0.704	0.0123	0.764
6	445.2	0.455	3.117	0.642	0.0156	0.795
7	412.4	0.497	2.745	0.694	0.0092	0.855
8	448.8	0.472	3.262	0.698	0.0185	0.735
9	459.2	0.473	3.928	0.783	0.0193	0.695
10	441.4	0.500	3.191	0.631	0.0124	0.719

Animal No.	Heart	Spleen	Thymus	Epididymides
1	0.292	0.373	0.045	0.279
2	0.408	0.408	0.055	0.276
3	0.296	0.296	0.052	0.260
4	0.367	0.381	0.063	0.298
5	0.322	0.419	0.063	0.285
6	0.320	0.317	0.053	0.277
7	0.332	0.376	0.101	0.306
8	0.355	0.363	0.048	0.288
9	0.373	0.385	0.047	0.284
10	0.342	0.343	0.043	0.280

APPENDIX NO.XVII (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : I

Dose : 0 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
11	261.4	0.781	3.216	0.680	0.0200	0.0347
12	251.4	0.774	3.332	0.680	0.0221	0.0341
13	280.1	0.663	2.870	0.613	0.0182	0.0296
14	270.1	0.687	2.837	0.716	0.0218	0.0338
15	280.4	0.734	3.259	0.705	0.0274	0.0329
16	292.0	0.716	2.628	0.573	0.0175	0.0261
17	280.5	0.718	2.698	0.540	0.0194	0.0331
18	296.7	0.647	2.947	0.575	0.0203	0.0271
19	270.1	0.736	2.799	0.653	0.0252	0.0359
20	268.5	0.810	2.814	0.730	0.0239	0.0313

Animal No.	Heart	Spleen	Thymus	Uterus
11	0.363	0.508	0.055	0.127
12	0.444	0.299	0.083	0.175
13	0.350	0.295	0.114	0.160
14	0.399	0.398	0.101	0.135
15	0.415	0.422	0.090	0.128
16	0.315	0.244	0.101	0.123
17	0.268	0.343	0.089	0.103
18	0.375	0.436	0.118	0.201
19	0.387	0.387	0.100	0.171
20	0.459	0.300	0.086	0.169

APPENDIX NO.XVII (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : II

Dose : 0 mg/kg (Reversal)

Day : 119

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
21	483.6	0.415	3.617	0.626	0.0104	0.671
22	498.3	0.433	2.680	0.614	0.0116	0.650
23	504.5	0.429	3.470	0.666	0.0099	0.678
24	481.1	0.475	3.629	0.671	0.0142	0.718
25	483.5	0.426	3.386	0.688	0.0104	0.655
26	505.2	0.432	2.944	0.595	0.0110	0.604

Animal No.	Heart	Spleen	Thymus	Epididymides
21	0.316	0.370	0.067	0.237
22	0.317	0.285	0.034	0.240
23	0.324	0.267	0.037	0.218
24	0.393	0.263	0.046	0.264
25	0.318	0.253	0.037	0.238
26	0.337	0.343	0.034	0.208

APPENDIX NO.XVII (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : II

Dose : 0 mg/kg (Reversal)

Day : 119

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
27	288.2	0.705	3.281	0.613	0.0170	0.0312
28	301.8	0.696	3.109	0.635	0.0232	0.0257
29	294.3	0.667	2.723	0.519	0.0156	0.0225
30	298.6	0.700	3.652	0.592	0.0283	0.0267
31	285.4	0.741	3.092	0.621	0.0251	0.0267
32	282.7	0.772	3.022	0.647	0.0280	0.0252

Animal No.	Heart	Spleen	Thymus	Uterus
27	0.365	0.311	0.075	0.122
28	0.335	0.326	0.067	0.124
29	0.336	0.318	0.092	0.198
30	0.388	0.334	0.072	0.143
31	0.309	0.281	0.074	0.180
32	0.405	0.300	0.121	0.170

APPENDIX NO.XVII (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : III

Dose : 250 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
33	443.0	0.497	3.077	0.705	0.0158	0.696
34	407.4	0.505	3.352	0.808	0.0161	0.831
35	454.4	0.521	3.978	0.774	0.0101	0.742
36	461.1	0.438	2.768	0.642	0.0154	0.663
37	471.0	0.428	2.647	0.562	0.0127	0.684
38	503.1	0.437	3.847	0.716	0.0188	0.662
39	476.4	0.449	3.316	0.666	0.0141	0.713
40	480.9	0.471	3.354	0.752	0.0171	0.805
41	490.5	0.427	3.699	0.723	0.0196	0.645
42	507.1	0.476	3.382	0.703	0.0181	0.736

Animal No.	Heart	Spleen	Thymus	Epididymides
33	0.323	0.201	0.054	0.262
34	0.351	0.353	0.051	0.315
35	0.414	0.442	0.086	0.290
36	0.251	0.363	0.076	0.216
37	0.280	0.287	0.040	0.263
38	0.338	0.300	0.084	0.248
39	0.363	0.332	0.075	0.257
40	0.385	0.282	0.046	0.301
41	0.372	0.340	0.048	0.254
42	0.394	0.243	0.040	0.251

APPENDIX NO.XVII (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015
 Test System : Sprague Dawley Rat

Sex : Female

Group : III

Dose : 250 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
43	258.4	0.765	3.246	0.632	0.0258	0.0322
44	274.3	0.695	3.217	0.667	0.0261	0.0273
45	288.9	0.693	3.353	0.666	0.0213	0.0320
46	287.8	0.642	3.101	0.638	0.0237	0.0215
47	271.8	0.690	2.760	0.661	0.0241	0.0230
48	276.3	0.689	2.764	0.560	0.0226	0.0260
49	298.4	0.605	2.886	0.578	0.0232	0.0277
50	289.6	0.730	2.751	0.558	0.0173	0.0176
51	276.8	0.695	2.881	0.593	0.0278	0.0326
52	275.7	0.692	2.874	0.545	0.0201	0.0218

Animal No.	Heart	Spleen	Thymus	Uterus
43	0.518	0.387	0.128	0.249
44	0.354	0.405	0.089	0.177
45	0.313	0.355	0.071	0.136
46	0.350	0.411	0.070	0.110
47	0.340	0.343	0.078	0.144
48	0.329	0.330	0.096	0.188
49	0.310	0.328	0.102	0.158
50	0.340	0.321	0.098	0.166
51	0.325	0.357	0.100	0.096
52	0.363	0.311	0.076	0.173

APPENDIX NO.XVII (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Group : IV

Dose : 500 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
53	467.5	0.440	2.979	0.600	0.0190	0.708
54	480.8	0.452	2.723	0.582	0.0100	0.664
55	492.2	0.452	3.368	0.661	0.0074	0.616
56	429.5	0.529	3.787	0.766	0.0123	0.892
57	450.6	0.464	3.004	0.654	0.0177	0.631
58	451.1	0.477	2.864	0.599	0.0167	0.784
59	414.4	0.519	3.110	0.603	0.0221	0.687
60	425.9	0.494	2.826	0.617	0.0143	0.807
61	430.0	0.461	3.281	0.660	0.0102	0.670
62	466.8	0.460	2.867	0.626	0.0130	0.683

Animal No.	Heart	Spleen	Thymus	Epididymides
53	0.289	0.337	0.059	0.237
54	0.348	0.295	0.040	0.209
55	0.356	0.397	0.052	0.212
56	0.373	0.444	0.078	0.299
57	0.391	0.394	0.041	0.253
58	0.339	0.388	0.051	0.271
59	0.356	0.375	0.051	0.220
60	0.310	0.448	0.062	0.263
61	0.474	0.284	0.045	0.281
62	0.379	0.239	0.046	0.252

APPENDIX NO.XVII (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : IV

Dose : 500 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
63	266.3	0.752	3.302	0.676	0.0257	0.0349
64	298.9	0.691	3.362	0.676	0.0269	0.0308
65	269.2	0.772	3.110	0.636	0.0234	0.0309
66	301.0	0.684	2.867	0.604	0.0243	0.0269
67	257.6	0.722	2.890	0.678	0.0306	0.0373
68	273.1	0.761	3.469	0.591	0.0297	0.0301
69	274.3	0.690	3.407	0.693	0.0231	0.0351
70	273.1	0.749	2.893	0.610	0.0212	0.0281
71	318.1	0.654	3.163	0.701	0.0283	0.0271
72	266.2	0.767	3.854	0.687	0.0283	0.0295

Animal No.	Heart	Spleen	Thymus	Uterus
63	0.379	0.376	0.066	0.146
64	0.422	0.383	0.062	0.086
65	0.379	0.405	0.115	0.181
66	0.326	0.366	0.089	0.129
67	0.385	0.393	0.104	0.123
68	0.481	0.366	0.089	0.119
69	0.399	0.382	0.104	0.171
70	0.344	0.399	0.089	0.145
71	0.374	0.321	0.074	0.154
72	0.401	0.412	0.081	0.178

APPENDIX NO.XVII (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : V

Dose : 1000 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
73	410.3	0.556	3.377	0.672	0.0141	0.740
74	437.6	0.505	3.324	0.719	0.0104	0.664
75	495.5	0.425	2.734	0.594	0.0146	0.715
76	450.4	0.482	3.137	0.675	0.0149	0.742
77	476.2	0.463	3.190	0.732	0.0154	0.730
78	452.3	0.476	2.939	0.631	0.0118	0.619
79	443.2	0.447	2.847	0.653	0.0147	0.672
80	494.4	0.416	2.960	0.598	0.0171	0.625
81	452.4	0.455	3.795	0.631	0.0128	0.778
82	466.0	0.452	3.536	0.636	0.0149	0.741

Animal No.	Heart	Spleen	Thymus	Epididymides
73	0.317	0.276	0.044	0.280
74	0.386	0.322	0.070	0.252
75	0.300	0.385	0.040	0.228
76	0.349	0.291	0.054	0.256
77	0.423	0.338	0.047	0.252
78	0.293	0.430	0.065	0.207
79	0.409	0.336	0.056	0.246
80	0.296	0.360	0.059	0.209
81	0.377	0.376	0.073	0.256
82	0.359	0.445	0.053	0.280

APPENDIX NO.XVII (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Group : V

Dose : 1000 mg/kg

Day : 91

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
83	281.6	0.675	2.727	0.578	0.0254	0.0326
84	278.4	0.647	2.329	0.608	0.0215	0.0330
85	305.2	0.606	3.220	0.611	0.0254	0.0251
86	315.3	0.681	2.576	0.598	0.0245	0.0249
87	266.1	0.726	2.732	0.628	0.0188	0.0216
88	269.6	0.722	2.923	0.657	0.0256	0.0354
89	266.7	0.727	3.063	0.606	0.0231	0.0304
90	286.0	0.705	3.087	0.607	0.0217	0.0308
91	274.8	0.768	2.481	0.582	0.0217	0.0253
92	276.5	0.729	3.358	0.718	0.0208	0.0347

Animal No.	Heart	Spleen	Thymus	Uterus
83	0.354	0.266	0.105	0.174
84	0.393	0.323	0.072	0.181
85	0.330	0.596	0.105	0.118
86	0.388	0.346	0.070	0.133
87	0.381	0.365	0.125	0.136
88	0.393	0.304	0.086	0.141
89	0.394	0.296	0.117	0.183
90	0.419	0.366	0.108	0.158
91	0.372	0.230	0.082	0.133
92	0.387	0.297	0.115	0.126

APPENDIX NO.XVII (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Group : VI

Dose : 1000 mg/kg (Reversal)

Day : 119

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Testes
93	471.4	0.434	2.954	0.614	0.0111	0.787
94	500.2	0.431	3.114	0.691	0.0159	0.711
95	531.3	0.426	3.121	0.683	0.0114	0.680
96	470.6	0.467	3.363	0.727	0.0175	0.782
97	473.3	0.416	3.130	0.641	0.0103	0.738
98	494.8	0.455	2.979	0.549	0.0107	0.630

Animal No.	Heart	Spleen	Thymus	Epididymides
93	0.326	0.282	0.035	0.251
94	0.331	0.193	0.043	0.236
95	0.341	0.325	0.065	0.236
96	0.290	0.292	0.042	0.260
97	0.287	0.337	0.047	0.246
98	0.281	0.349	0.051	0.231

APPENDIX NO.XVII (Contd.)

INDIVIDUAL ANIMAL ORGAN WEIGHTS - RELATIVE VALUES (%)

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Group : VI

Dose : 1000 mg/kg (Reversal)

Day : 119

Animal No.	Terminal Body weight (g)	Brain	Liver	Kidneys	Adrenals	Ovaries
99	304.3	0.680	3.228	0.611	0.0300	0.0242
100	266.5	0.817	3.143	0.597	0.0262	0.0357
101	276.0	0.788	3.364	0.723	0.0269	0.0315
102	284.0	0.740	2.934	0.699	0.0228	0.0309
103	286.4	0.759	3.054	0.658	0.0212	0.0262
104	285.6	0.707	2.988	0.674	0.0263	0.0311

Animal No.	Heart	Spleen	Thymus	Uterus
99	0.377	0.395	0.067	0.117
100	0.347	0.347	0.083	0.140
101	0.428	0.420	0.073	0.122
102	0.327	0.301	0.076	0.158
103	0.353	0.400	0.076	0.136
104	0.322	0.325	0.081	0.139

APPENDIX NO.XVIII

INDIVIDUAL ANIMAL - GROSS PATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Day : 91 and 119

Gr. No.	Dose mg/kg	Animal No.	Animal Fate	Gross pathology findings
I	0	1	TS	No Abnormality Detected
		2	TS	No Abnormality Detected
		3	TS	No Abnormality Detected
		4	TS	No Abnormality Detected
		5	TS	No Abnormality Detected
		6	TS	No Abnormality Detected
		7	TS	No Abnormality Detected
		8	TS	No Abnormality Detected
		9	TS	No Abnormality Detected
		10	TS	No Abnormality Detected
II	0 (Reversal)	21	TS	No Abnormality Detected
		22	TS	No Abnormality Detected
		23	TS	No Abnormality Detected
		24	TS	No Abnormality Detected
		25	TS	No Abnormality Detected
		26	TS	No Abnormality Detected
III	250	33	TS	No Abnormality Detected
		34	TS	No Abnormality Detected
		35	TS	No Abnormality Detected
		36	TS	No Abnormality Detected
		37	TS	No Abnormality Detected
		38	TS	No Abnormality Detected
		39	TS	No Abnormality Detected
		40	TS	No Abnormality Detected
		41	TS	No Abnormality Detected
		42	TS	No Abnormality Detected
IV	500	53	TS	No Abnormality Detected
		54	TS	No Abnormality Detected
		55	TS	No Abnormality Detected
		56	TS	No Abnormality Detected
		57	TS	No Abnormality Detected
		58	TS	No Abnormality Detected
		59	TS	No Abnormality Detected
		60	TS	No Abnormality Detected
		61	TS	No Abnormality Detected
		62	TS	No Abnormality Detected

TS = Terminal Sacrifice

APPENDIX NO.XVIII (Contd.)

INDIVIDUAL ANIMAL - GROSS PATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Day : 91 and 119

Gr. No.	Dose mg/kg	Animal No.	Animal Fate	Gross pathology findings
V	1000	73	TS	No Abnormality Detected
		74	TS	No Abnormality Detected
		75	TS	No Abnormality Detected
		76	TS	No Abnormality Detected
		77	TS	No Abnormality Detected
		78	TS	No Abnormality Detected
		79	TS	No Abnormality Detected
		80	TS	No Abnormality Detected
		81	TS	No Abnormality Detected
		82	TS	No Abnormality Detected
VI	1000 (Reversal)	93	TS	No Abnormality Detected
		94	TS	No Abnormality Detected
		95	TS	No Abnormality Detected
		96	TS	No Abnormality Detected
		97	TS	No Abnormality Detected
		98	TS	No Abnormality Detected

TS = Terminal Sacrifice

APPENDIX NO.XVIII (Contd.)

INDIVIDUAL ANIMAL - GROSS PATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Day : 91 and 119

Gr. No.	Dose mg/kg	Animal No.	Animal Fate	Gross pathology findings
I	0	11	TS	No Abnormality Detected
		12	TS	No Abnormality Detected
		13	TS	No Abnormality Detected
		14	TS	No Abnormality Detected
		15	TS	No Abnormality Detected
		16	TS	No Abnormality Detected
		17	TS	No Abnormality Detected
		18	TS	No Abnormality Detected
		19	TS	No Abnormality Detected
		20	TS	No Abnormality Detected
II	0 (Reversal)	27	TS	No Abnormality Detected
		28	TS	No Abnormality Detected
		29	TS	No Abnormality Detected
		30	TS	No Abnormality Detected
		31	TS	No Abnormality Detected
		32	TS	No Abnormality Detected
III	250	43	TS	No Abnormality Detected
		44	TS	No Abnormality Detected
		45	TS	No Abnormality Detected
		46	TS	No Abnormality Detected
		47	TS	No Abnormality Detected
		48	TS	No Abnormality Detected
		49	TS	No Abnormality Detected
		50	TS	No Abnormality Detected
		51	TS	No Abnormality Detected
		52	TS	No Abnormality Detected
IV	500	63	TS	No Abnormality Detected
		64	TS	No Abnormality Detected
		65	TS	No Abnormality Detected
		66	TS	No Abnormality Detected
		67	TS	No Abnormality Detected
		68	TS	No Abnormality Detected
		69	TS	No Abnormality Detected
		70	TS	No Abnormality Detected
		71	TS	No Abnormality Detected
		72	TS	No Abnormality Detected

TS = Terminal Sacrifice

APPENDIX NO.XVIII (Contd.)

INDIVIDUAL ANIMAL - GROSS PATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Day : 91 and 119

Gr. No.	Dose mg/kg	Animal No.	Animal Fate	Gross pathology findings
V	1000	83	TS	No Abnormality Detected
		84	TS	No Abnormality Detected
		85	TS	No Abnormality Detected
		86	TS	No Abnormality Detected
		87	TS	No Abnormality Detected
		88	TS	No Abnormality Detected
		89	TS	No Abnormality Detected
		90	TS	No Abnormality Detected
		91	TS	No Abnormality Detected
		92	TS	No Abnormality Detected
VI	1000 (Reversal)	99	TS	No Abnormality Detected
		100	TS	No Abnormality Detected
		101	TS	No Abnormality Detected
		102	TS	No Abnormality Detected
		103	TS	No Abnormality Detected
		104	TS	No Abnormality Detected

TS = Terminal Sacrifice

APPENDIX NO.XIX

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 1

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

: Histiocytosis, alveolar, focal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 2

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Adrenals: Dilatation, zona reticularis, unilateral, diffuse, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Kidneys, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 3

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Dilatation, tubular, focal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Thymus: Haemorrhages, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 4

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Thyroid: Ultimobranchial cyst, single, present

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 5

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Urinary bladder: Seminal coagulum, luminal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 6

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Adrenals: Vacuolation, zona fasciculata, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 7

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Kidneys: Haemorrhages, interstitial, multifocal, minimal

: Dilatation, tubular, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 8

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 9

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Haemorrhages, interstitial, multifocal, minimal
: Dilatation, tubular, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 10

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Urinary bladder: Seminal coagulum, luminal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 11

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 12

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 13

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

: Histiocytosis, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 14

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Kidneys: Infiltration, mononuclear cells, cortex, unilateral, focal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 15

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

: Congestion, diffuse, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

: Histiocytosis, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 16

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Adrenals: Dilatation, zona reticularis, unilateral, diffuse, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 17

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 18

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Uterus: Infiltration, eosinophilic cells, endometrium, diffuse, minimal
: Dilatation, luminal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 19

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Adrenals: Dilatation, zona reticularis, unilateral, diffuse, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 20

Group : I

Dose : 0 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Kidneys: Haemorrhages, interstitial, multifocal, minimal

: Dilatation, tubular, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 73

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Adrenals: Vacuolation, zona fasciculata, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

: Histiocytosis, alveolar, multifocal, minimal

Tissues within normal histological limits :

Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 74

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

: Histiocytosis, alveolar, focal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 75

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Kidneys, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 76

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

: Histiocytosis, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 77

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 78

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Haemorrhages, interstitial, multifocal, minimal
: Dilatation, tubular, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 79

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Urinary bladder: Seminal coagulum, luminal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Kidneys, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 80

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 81

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Thymus: Haemorrhages, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Kidneys, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Male

Animal No.: 82

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

: Histiocytosis, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Epididymides, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Pancreas, Pharyngeal Lymphnodes, Pituitary, Prostate, Rectum, Salivary Gland, Sciatic Nerve, Seminal Vesicles, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Testes, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 83

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Uterus: Infiltration, eosinophilic cells, endometrium, diffuse, minimal
: Dilatation, luminal, minimal

Thyroid: Ultimobranchial cyst, two, present

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Parathyroid, Trachea, Urinary Bladder.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 84

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 85

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Kidneys: Dilatation, tubular, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 86

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 87

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015

Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 88

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Infiltration, mononuclear cells, cortex, unilateral, focal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 89

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 90

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Spleen: Haemosiderosis, multifocal, minimal

Adrenals: Dilatation, zona reticularis, diffuse, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

: Histiocytosis, alveolar, multifocal, minimal

Tissues within normal histological limits :

Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Kidneys, Liver, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 91

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

: Histiocytosis, alveolar, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

APPENDIX NO.XIX (Contd.)

INDIVIDUAL ANIMAL - HISTOPATHOLOGY FINDINGS

Laboratory Test Item Code : TAS/002/015
Test System : Sprague Dawley Rat

Sex : Female

Animal No.: 92

Group : V

Dose : 1000 mg/kg

Animal Fate : Terminal Sacrifice

Days on Test : 90

Microscopic observations :

Liver: Infiltration, mononuclear cells, periportal, multifocal, minimal

Kidneys: Haemorrhages, interstitial, multifocal, minimal

Lungs: Haemorrhages, alveolar, multifocal, minimal

Spleen: Haemosiderosis, multifocal, minimal

Tissues within normal histological limits :

Adrenals, Aorta, Brain (cerebrum, cerebellum and pons), Caecum, Colon, Duodenum, Eyes, Heart, Ileum, Jejunum, Lungs, Mesenteric Lymphnodes, Muscles - Skeletal muscle, Oesophagus, Ovaries, Pancreas, Pharyngeal Lymphnodes, Pituitary, Rectum, Salivary Gland, Sciatic Nerve, Skin with Mammary Gland, Spinal Cord (Cervical, mid thoracic and lumbar), Sternum with bone marrow, Stomach, Thymus, Thyroid / Parathyroid, Trachea, Urinary Bladder, Uterus.

= Histologic change related to necropsy record data

ANNEXURE - I

Certificate of Analysis - Test Item (1 Page)

QUALITY ASSURANCE DEPARTMENT

CERTIFICATE OF ANALYSIS

PRODUCT NAME : RHIZOPUS LIPASE
BATCH NO. : 011423
MFG. DATE : JANUARY,2014
EXPIRY DATE : DECEMBER,2015

PROTOCOL OF ANALYSIS

TEST	RESULT	LIMITS
Description	Light Brown coloured amorphous, hygroscopic powder; having typical fermentative odour	Light Brown to Brown coloured amorphous, hygroscopic powder; having typical fermentative odour
Solubility	Soluble in Water : Complies	Soluble in Water.
Lead	: Complies	Not more than 5 ppm
Microbial Limit-		
Total viable count	: Complies	NMT 1×10^4 cfu/g
Total coliforms/g	: Complies	Not more than 30
Escherichia.coli/25g	: Complies	Negative by test
Salmonellae/25g	: Complies	Negative by test
Antimicrobial Activity	Absent by test : Complies	Absent by test
Rhizopus Lipase Activity	548,964 FIP U/g	NLT 500,000 FIP U/g

Remarks: Sample **COMPLIES** as per Specifications.

(b) (6)

QA-CHEMIST
Date: February 1, 2014

(b) (6)

MANAGER-QUALITY ASSURANCE

ANNEXURE - II

Test Item Concentration Analysis (6 Pages)



Advanced Enzyme Technologies Ltd,
 Plot no:A-161,Main Road no:27,
 Wagale Industrial Estate,
 Opp. Hallmark Honda Service Center
 Thane(W)-400 604.

TITLE: SAMPLE ANALYSIS REPORT

Date of Receipt:	06/08/2014
Received by:	Shweta Bangar
Sample:	Rhizopus lipase
Description:	4x5 ml tube containing clear liquid.

1. Name of the sample: Rhizopus lipase
 a. Type of Sample: Sample from IIT Pune Study No. 17956
 for purpose of analysis of test article formulations
 for concentration verification and stability (Pre
 test).

In House: -----NA-----
 Marketed: -----NA-----
 Customer complaint: -----NA-----
 Import/Export: -----NA-----

2. Detail of the sample: Advanced Enzymes Technologies Ltd.
 Physical form: Liquid
 Batch number: 011423
 Manufacturing date: Jan 2014
 Expiry date: Dec 2015
 Claim: 0 mg/ml, 25 mg/ml, 50 mg/ml, and 100 mg/ml
 Storage: Cool and dry place.

3. Quantity required for testing: 5 ml-----

4. Assays done: Rhizopus lipase -----

5. Active ingredient: Rhizopus lipase -----



Advanced Enzyme Technologies Ltd,
Plot no:A-161,Main Road no:27,
Wagale Industrial Estate,
Opp. Hallmark Honda Service Center
Thane(W)-400 604.

TITLE: SAMPLE ANALYSIS REPORT

6. RESULTS

Sr No	Dilution	Titration reading Test - Blank(ml)	Activity (U/g)	% activity
Rhizopus lipase Batch no.011423	100 mg/100 ml x 0.25 ml/50 ml	3.3	550342	100
0 mg/ml	0	-	-	-
25 mg/ml	1 ml/100 ml x 2 ml/100 ml	3.25	13927	101.2
50 mg/ml	1 ml/100 ml x 1 ml/100 ml	3.15	26997	98.11
100 mg/ml	1 ml/100 ml x 0.5 ml/100 ml	3.2	54852	99.66

7. Remarks: The test sample **Rhizopus lipase** is stable in Analytical grade water (i.e. vehicle used for formulation) for 6 hours”.

(b) (6)

Signature of Analyst

Date of Analysis: 07/08/2014

(b) (6)

Signature of HOD

Date of Report dispatched:	07/08/2014
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Advanced Enzyme Technologies Ltd,
Plot no:A-161,Main Road no:27,
Wagale Industrial Estate,
Opp. Hallmark Honda Service Center
Thane(W)-400 604.

TITLE: SAMPLE ANALYSIS REPORT

Date of Receipt:	24/09/2014
Received by:	Shweta Bangar
Sample:	Rhizopus lipase
Description:	4x5 ml tube containing clear liquid.

1. Name of the sample: Rhizopus lipase
 - a. Type of Sample: Sample from IIT Pune Study No. 17956
for purpose of analysis of test article formulations
for concentration verification and stability (7th
week).
In House: -----NA-----
Marketed: -----NA-----
Customer complaint: -----NA-----
Import/Export: -----NA-----

2. Detail of the sample: Advanced Enzymes Technologies Ltd.
Physical form: Liquid
Batch number: 011423
Manufacturing date: Jan 2014
Expiry date: Dec 2015
Claim: 0 mg/ml, 25 mg/ml, 50 mg/ml, and 100 mg/ml
Storage: Cool and dry place.

3. Quantity required for testing: 5 ml-----

4. Assays done: Rhizopus lipase -----

5. Active ingredient: Rhizopus lipase -----



Advanced Enzyme Technologies Ltd,
Plot no:A-161,Main Road no:27,
Wagale Industrial Estate,
Opp. Hallmark Honda Service Center
Thane(W)-400 604.

TITLE: SAMPLE ANALYSIS REPORT

6. RESULTS

Sr No	Dilution	Titration reading Test - Blank(ml)	Activity (U/g)	% activity
Rhizopus lipase Batch no.011423	100 mg/100 ml x 0.25 ml/50 ml	3.20	541875	100
0 mg/ml	0	-	-	-
25 mg/ml	1 ml/100 ml x 2 ml/100 ml	3.2	13546	100
50 mg/ml	1 ml/100 ml x 1 ml/100 ml	3.25	27516	101.5
100 mg/ml	1 ml/100 ml x 0.5 ml/100 ml	3.15	53340	98.43

7. Remarks: The test sample **Rhizopus lipase** is stable in Analytical grade water (i.e. vehicle used for formulation) for 6 hours”.

(b) (6)

Signature of Analyst

Date of Analysis: 25/09/2014

(b) (6)

Signature of HOD

Date of Report dispatched:	26/09/2014
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Advanced Enzyme Technologies Ltd,
Plot no:A-161,Main Road no:27,
Wagale Industrial Estate,
Opp. Hallmark Honda Service Center
Thane(W)-400 604.

TITLE: SAMPLE ANALYSIS REPORT

Date of Receipt:	30/10/2014
Received by:	Shweta Bangar
Sample:	Rhizopus lipase
Description:	4x5 ml tube containing clear liquid.

1. Name of the sample: Rhizopus lipase
- a. Type of Sample: Sample from IIT Pune Study No. 17956
for purpose of analysis of test article formulations
for concentration verification and stability (13th
week).
In House: -----NA-----
Marketed: -----NA-----
Customer complaint: -----NA-----
Import/Export: -----NA-----
2. Detail of the sample: Advanced Enzymes Technologies Ltd.
Physical form: Liquid
Batch number: 011423
Manufacturing date: Jan 2014
Expiry date: Dec 2015
Claim: 0 mg/ml, 25 mg/ml, 50 mg/ml, and 100 mg/ml
Storage: Cool and dry place.
3. Quantity required for testing: 5 ml-----
4. Assays done: Rhizopus lipase -----
5. Active ingredient: Rhizopus lipase -----



Advanced Enzyme Technologies Ltd,
Plot no:A-161,Main Road no:27,
Wagale Industrial Estate,
Opp. Hallmark Honda Service Center
Thane(W)-400 604.

TITLE: SAMPLE ANALYSIS REPORT

6. RESULTS

Sr No	Dilution	Titration reading Test - Blank(ml)	Activity (U/g)	% activity
Rhizopus lipase Batch no.011423	100 mg/100 ml x 0.25 ml/50 ml	3.25	550341	100
0 mg/ml	0	-	-	-
25 mg/ml	1 ml/100 ml x 2 ml/100 ml	3.15	13334	96.91
50 mg/ml	1 ml/100 ml x 1 ml/100 ml	3.20	27093	98.46
100 mg/ml	1 ml/100 ml x 0.5 ml/100 ml	3.15	53340	96.92

7. Remarks: The test sample **Rhizopus lipase** is stable in Analytical grade water (i.e. vehicle used for formulation) for 6 hours”.

(b) (6)

Signature of Analyst

Date of Analysis: 31/10/2014

(b) (6)

Signature of HOD

Date of Report dispatched:	31/10/2014
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ANNEXURE - III

Feed Analysis (3 Pages)

Nutrivet Life Sciences

Nutrimix (Laboratory Animal Diets).

14, Ajay Apartment, Manikbaug, Sinhagad Road, Pune 411 051. Mob:- 09822006765,
mail - sdbhande@yahoo.com

CERTIFICATE OF ANALYSIS

Name of the product: Rat / Mice Pelleted Diet.
Diet Code: Rat Std-1020 (Rodent Diet)
Description: A whitish brown coloured pellets
Date of Expiry : 4 months from date of Mfg

Date of Mfg. ; 10.06.2014
Date of Sampling : 12.06.2014
Date of Report : 16.06.2014
Batch No: 100006.

1. Proximate analysis :

No.	Test parameters	Results	Ranges
1.	Moisture	9.11 %	10% Max.
2.	Crude Protein	20.27%	17 - 22 %
3.	Crude Fat	3.29 %	3 - 6 %
4.	Crude fiber	4.09 %	3 - 7 %
5.	Calcium	0.96 %	0.95 Mini.
6.	Phosphorus	0.67 %	0.66 Mini.
7.	Total ash	6.12 %	8.5% Max.
8.	Carbohydrates	56.27 %	55 - 65
9.	Metabolizable Energy (kcal/gm)	2.9	2.8 - 3.2

2. Microbiological examination:

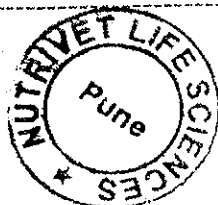
No.	Test parameters	Result	Test method
1.	Total Bacterial count (Cfu /gm)	< 10	AOAC 18 th Cha -17.
2.	Escherichia coli (Cfu /gm)	< 10	
3.	Pseudomonas aeruginosa (Cfu /gm)	< 10	
4.	Staphylococcus aureus (Cfu /gm)	< 10	
6.	Total mould count (Cfu /gm)	< 10	AOAC 975.36
7.	Aflatoxin (B1)	BDL	
8.	Aflatoxin (B2)	BDL	

cfu - colony forming unit / BDL : Below Detectable Limits

Instructions : 1. Store the feed in cool, dry and well ventilated place off the floor.
2. Use within specified period.
3. Stop usage of feed if found defective.

(b) (6)

Quality Assurance
Mr. A. T. Rajgire



(b) (6)

Technical Head / Lab In-charge
Dr. S. D. Bhande

Nutrivet Life Sciences

Nutrimix (Laboratory Animal Diets).

14, Ajay Apartment, Manikbaug, Sinhagad Road, Pune 411 051. Mob:- 09822006765,
mail - sdbhande@yahoo.com

CERTIFICATE OF ANALYSIS

Name of the product: Rat / Mice Pelleted Diet.
Diet Code: Rat Std-1020 (Rodent Diet)
Description: A whitish brown coloured pellets
Date of Expiry : 4 months from date of Mfg

Date of Mfg. ; 02.08.2014
Date of Sampling : 02.08.2014
Date of Report : 05.08.2014
Batch No: 100008.

1. Proximate analysis :

No.	Test parameters	Results	Ranges
1.	Moisture	8.41 %	10% Max.
2.	Crude Protein	19.27%	17 - 22 %
3.	Crude Fat	3.59 %	3 - 6 %
4.	Crude fiber	4.00 %	3 - 7 %
5.	Calcium	0.96 %	0.95 Mini.
6.	Phosphorus	0.67 %	0.66 Mini.
7.	Total ash	6.12 %	8.5% Max.
8.	Carbohydrates	56.27 %	55 - 65
9.	Metabolizable Energy (kcal/gm)	2.9	2.8 - 3.2

2. Microbiological examination:

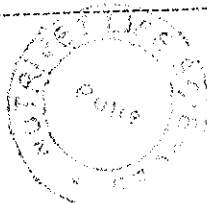
No.	Test parameters	Result	Test method
1.	Total Bacterial count (Cfu /gm)	< 10	AOAC 18 th Cha -17.
2.	Escherichia coli (Cfu /gm)	< 10	
3.	Pseudomonas aeruginosa (Cfu /gm)	< 10	
4.	Staphylococcus aureus (Cfu /gm)	< 10	
6.	Total mould count (Cfu /gm)	< 10	AOAC 975.36
7.	Aflatoxin (B1)	BDL	
8.	Aflatoxin (B2)	BDL	

cfu - colony forming unit / BDL : Below Detectable Limits

Instructions : 1. Store the feed in cool, dry and well ventilated place off the floor.
2. Use within specified period.
3. Stop usage of feed if found defective.

(b) (6)

Quality Assurance
Mr. A. T. Rajgire



(b) (6)

Technical Head / Lab In-charge
Dr. S. D. Bhande

Nutrivet Life Sciences

Nutrimix (Laboratory Animal Diets).

14, Ajay Apartment, Manikbaug, Sinhagad Road, Pune 411 051. Mob:- 09822006765,
mail - sdbhande@yahoo.com

CERTIFICATE OF ANALYSIS

Name of the product: Rat / Mice Pelleted Diet.

Diet Code: Rat Std-1020 (Rodent Diet)

Description: A whitish brown coloured pellets

Date of Expiry : 4 months from date of Mfg

Date of Mfg. ; 20.09.2014

Date of Sampling : 21.09.2014

Date of Report : 24.09.2014

Batch No: 100009.

1. Proximate analysis :

No.	Test parameters	Results	Ranges
1.	Moisture	09.00 %	10% Max.
2.	Crude Protein	20.10%	17 - 22 %
3.	Crude Fat	03.20 %	3 - 6 %
4.	Crude fiber	04.15 %	3 - 7 %
5.	Calcium	00.96 %	0.95 Mini.
6.	Phosphorus	00.67 %	0.66 Mini.
7.	Total ash	06.12 %	8.5% Max.
8.	Carbohydrates	57.27 %	55 - 65
9.	Metabolizable Energy (kcal/gm)	02.90	2.8 - 3.2

2. Microbiological examination:

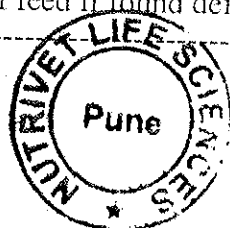
No.	Test parameters	Result	Test method
1.	Total Bacterial count (Cfu /gm)	< 10	AOAC 18 th Cha -17.
2.	Escherichia coli (Cfu /gm)	< 10	
3.	Pseudomonas aeruginosa (Cfu /gm)	< 10	
4.	Staphylococcus aureus (Cfu /gm)	< 10	
6.	Total mould count (Cfu /gm)	< 10	
7.	Aflatoxin (B1)	BDL	
8.	Aflatoxin (B2)	BDL	

cfu - colony forming unit / BDL : Below Detectable Limits

- Instructions :
1. Store the feed in cool, dry and well ventilated place off the floor.
 2. Use within specified period.
 3. Stop usage of feed if found defective.

(b) (6)

Quality Assurance
Mr. A. T. Rajgire



(b) (6)

Technical Head / Lab In-charge
Dr. S. D. Bhande

ANNEXURE - IV

Water Analysis (4 Pages)

Sample Name :- Water Date :- June 14th 2014
 Sample received on :- June 10th 2014 Lab Ref. No. F-14- 54
 Test conducted on :- June 10th 2014 Test completed on :- June 14th 2014
 Sample submitted by :- Indian Institute of Toxicology,
 30,32\ A-1, Hadapsar Ind. Estate,
 Pune – 411013.

Certificate of Analysis

(Test item received in **proper** \improper condition)

Tests conducted : **Chemical** \ **Microbiological** \ Nutritional

This is to certify that the above sample is tested for following tests and the results are :

Chemical Analysis :-

Sl.No.	Characteristics	Results (ppm except pH, colour, turbidity)	Desirable limits (ppm except pH, colour, turbidity)	Permissible limits (ppm except pH, colour, turbidity)
1.	Colour	Nil	Not more than 2 Hazenunits/true colour units	No relaxation
2.	Total Dissolved Solids	28.96	500	2000
3.	Turbidity	Nil	Not more than 2 NTU	No relaxation
4.	Total Alkalinity as CaCO ₃	62.5	200	600
5.	pH Value	7.12	6.5-8.5	No relaxation
6.	Chlorides	23.54	250	1000
7.	Fluorides	Nil	1.0	1.5
8.	Sulphate	28	200	400
9.	Total Hardness	32.64	300	600
10.	Iron as Fe	Nil	Not more than 0.1 mg/lit	No relaxation
11.	Nitrates	23.78	45	100

Remark: The above sample confirms the IS : 10500 Norms pertaining to above tests.

Microbiological Analysis:-

Sl. No.	Tests	Results	Reference
1.	MPN / 100 ml	Nil	Food and Drug Administration
2.	Salmonella (per 25 ml)	Negative	Bacteriological Analytical Manual
3.	E. coli (cfu/ml)	Nil	7 th edition (1992)

(b) (6)

For Spectra Biochem Lab,

Pune.



Spectra Biochem

LABORATORIES

Flat No.: 23, Saj Co-Op. Hsg. Soc., Tukai Darshan, Phursungi,
Cell: 9373487737, 9922942659. Ph.:(020) Resi.:26980419.

E-mail : spctrabiochem@rediffmail.com

Sample Name :- Water
 Sample received on :- August 7th 2014
 Test conducted on :- August 7th 2014
 Sample submitted by :- Indian Institute of Toxicology,
 32\ A-1, Hadapsar Ind. Estate,
 Pune – 411013.

Date :- August 14th 2014

Lab Ref. No. H-14- 73

Test completed on :- August 13th 2014

Certificate of Analysis

(Test item received in proper/improper condition)

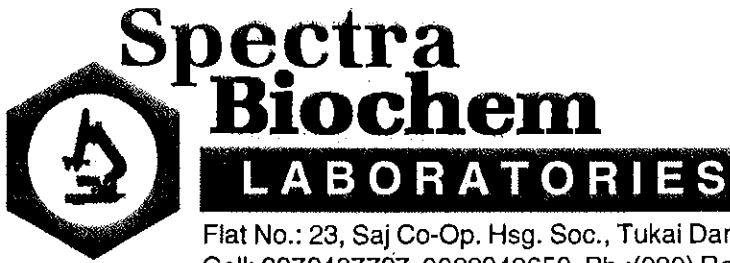
Tests conducted : **Chemical\Microbiological\Nutritional**

This is to certify that the above sample is tested for following tests and the results are :

Sl. No.	Tests	Results	Reference
1.	pH	6.87	Food and Drug Administration Bacteriological Analytical Manual 7 th edition (1992)
2.	MPN / 100 ml	Nil	
3.	Salmonella (per 25 ml)	Negative	
4.	E. coli (cfu/ml)	Nil	

(b) (6)

For Spectra Biochem Laboratories
Pune.



Flat No.: 23, Saj Co-Op. Hsg. Soc., Tukai Darshan, Phursungi,
Cell: 9373487737, 9922942659. Ph.:(020) Resi.:26980419.

E-mail : spctrbiochem@rediffmail.com

Sample Name :- water (RO) Date :- October 16th 2014
Sample received on :- October 10th 2014 Lab Ref. No. J-14- 53
Test conducted on :- October 10th 2014 Test completed on :- October 16th 2014
Sample submitted by :- Indian Institute of Toxicology,
32\ A-1, Hadapsar Ind. Estate,
Pune – 411013.

Certificate of Analysis

(Test item received in proper/improper condition)

Tests conducted : **Chemical\Microbiological\Nutritional**

This is to certify that the above sample is tested for following tests and the results are :

Sl. No.	Tests	Results	Reference
1.	pH	7.2	Food and Drug Administration Bacteriological Analytical Manual 7 th edition (1992)
2.	MPN / 100 ml	Nil	
3.	Salmonella (per 25 ml)	Negative	
4.	E. coli (cfu/ml)	Nil	

(b) (6)

For Spectra Biochem Laboratories
Pune.

ANNEXURE - V

Bedding Analysis (2 Pages)



Doctor's Analytical Laboratories Pvt. Ltd.

The Science of Testing, The Art of Serving

CERTIFICATE OF ANALYSIS

QSF NO.: 5.10.02

Customer: Indian Institute Of Toxicology
Name & Address: 301, 401, Ushah-shree, 90/124c, Erandwane, Gangote Street, Near Kamla Nehru Park, Pune - 411 004.

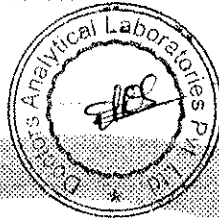
Report No. 15076
Report Date (dd/mm/yyyy) 24/02/2014
Customer Ref. No.
Any other Information

Sample Name Bedding (Paddy)
Sample Category Agricultural Produce & Horticultural Produce
Packing Details Plastic Bag
Batch no.

Date of Mfg.
Date of Expiry
Sealed/Unsealed Sealed
Quantity 25 Gram

Sample Received Date 31/01/2014
Laboratory Code : 214010173 / -
Sample Description : Brown coloured cream

Analysis completed on 22/02/2014
Other Details: (N.A.)



Sr.No.	Name Of Test	Unit	Result	LOQ	Specification	Method Of Analysis
Pesticides Residue						
1	DDT	-	<LOQ	0.01 mg/kg	-	SOP No. : QP/DALPL/074
2	HCB	-	<LOQ	0.01 mg/kg	-	SOP No. : QP/DALPL/074
3	Methoxchlor	-	<LOQ	0.01 mg/kg	-	SOP No. : QP/DALPL/074
4	Dieldrin	-	<LOQ	0.01 mg/kg	-	SOP No. : QP/DALPL/074
5	Endrin	-	<LOQ	0.01 mg/kg	-	SOP No. : QP/DALPL/074
6	Chlorodane	-	<LOQ	0.01 mg/kg	-	SOP No. : QP/DALPL/074
7	Malathion	-	<LOQ	0.01 mg/kg	-	SOP No. : QP/DALPL/074
8	Endosulphan	-	<LOQ	0.01 mg/kg	-	SOP No. : QP/DALPL/074
Poly Chlorinated bi-phenyls (PCB)						
9	2,2',5-trichloro biphenyl	-	<LOQ	0.01 mg/kg	-	Instrumental
10	2,4,4'-Trichloro biphenyl	-	<LOQ	0.01 mg/kg	-	Instrumental
11	2,2',5,5'-Tetrachloro biphenyl	-	<LOQ	0.01 mg/kg	-	Instrumental
12	2,2',4,5,5'-Pentachloro biphenyl	-	<LOQ	0.01 mg/kg	-	Instrumental
13	2,2',3,4,4',5-Hexachloro biphenyl	-	<LOQ	0.01 mg/kg	-	Instrumental
14	2,2',4,4',5,5'-Hexachloro biphenyl	-	<LOQ	0.01 mg/kg	-	Instrumental



Poly Chlorinated bi-phenyls (PCB)

15	2,2',3,4,4',5,5'-Heptachloro biphenyl	-	<LOQ	0.01 mg/kg	-	Instrumental
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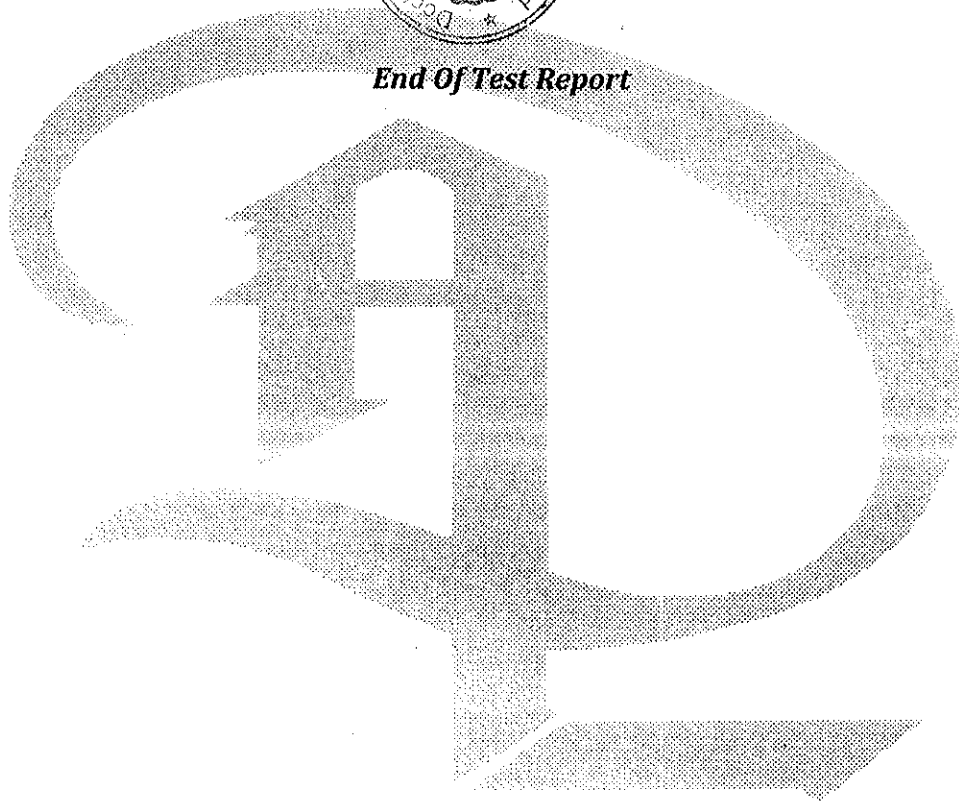
Remarks :Note : Sample Not Drawn by DALPL.
<LOQ: Less than Level of Quantification



(b) (6)

(Mr. Anand Sathe)
Authorized Signatory
FOR DAL PVT.LTD.

End Of Test Report



ANNEXURE - VI

Certificate of Approval
(Good Laboratory Practice, GLP)
(1 Page)



NATIONAL GLP COMPLIANCE MONITORING AUTHORITY
GLP CERTIFICATE

GLP Inspection was carried out at **Indian Institute of Toxicology, 32 A/1, Hadapsar Industrial Estate, Pune – 411013, Maharashtra, INDIA** in the following areas of expertise:

- **Toxicity studies**
 - o Acute Studies (Oral, Parenteral, Dermal, Inhalation, Dermal Irritation/ Corrosion, Eye Irritation/ Corrosion, Skin Sensitization Test)
 - o Sub-acute Studies
 - o Chronic Studies
- **Mutagenicity Studies**
 - o Bacterial Reverse Mutation Assay (Ames Test)
 - o Mammalian Erythrocyte Micronucleus Test
 - o *In vivo/ In Vitro* Mammalian Chromosome Aberration Test

Based on the Inspection Report and the follow-up actions taken by the test facility, it is confirmed that the test facility is capable of conducting the above-mentioned tests/studies in compliance with OECD Principles of Good Laboratory Practice (GLP) for the types of chemicals and in test systems as listed below respectively:

Types of chemicals : Industrial Chemicals, Pesticides, Pharmaceuticals, Veterinary Drugs, Cosmetics, Food additives and Feed additives

Test Systems : Rat, Mice, Guinea pig, Rabbit, *Salmonella typhimurium*, tester strains viz. (TA 97a, TA 98, TA 100, TA 1535 & TA 102)

This GLP Certificate is valid for a period of three years from April 16, 2013, subject to the condition that the test facility complies with the Terms & Conditions of the National GLP Compliance Monitoring Authority's Document Number GLP-101.

(b) (6)

(VINITA SHARMA)

Head

National GLP Compliance Monitoring Authority
Department of Science & Technology
Technology Bhavan New Delhi-110016

Certificate No. : GLP/C-046

Issue Date : 10-04-2013

ANNEXURE - VII

Summary of Amendment(s) to the
Study Plan (1 Page)

Summary of Amendment(s) to the Study Plan

Amendment Number	Amendment
1	The Study Schedule dates finalized.
2	Experimental Completion Date added and Study Completion Date finalized

ANNEXURE – VIII

Study Time Plan
(1 Page)

Study Time Plan

Main Study

Date	Study Day	Activity	Responsible study personnel
20-07-2014	Initial	Room Preparation	Dr. S.N.Khutale
29-07-2014	Study Meeting	Study Plan Sign off	Mr. J.M.Sonpetkar
22-07-2014 to 28-07-2014	Quarantine	Animal Receipt	Dr. S.N.Khutale
29-07-2014 to 03-08-2014 29-07-2014 to 04-08-2014	Main Study	Acclimatization Period – Male Female	Mr. M.P.Supekar Mr. J.M.Sonpetkar
04-08-2014 05-08-2014	Main Study	Grouping - Male Grouping - Female	Mr. J.M.Sonpetkar
04-08-2014, 05-08-2014 12-08-2014, 19-08-2014 26-08-2014, 02-09-2014 09-09-2014, 16-09-2014 23-09-2014, 30-09-2014 07-10-2014, 14-10-2014 21-10-2014, 28-10-2014 02-11-2014, 03-11-2014 11-11-2014, 18-11-2014 25-11-2014, 30-11-2014 01-12-2014	day 0, day 1 week 1, week 2 week 3, week 4 week 5, week 6 week 7, week 8 week 9, week 10 week 11, week 12 week 13, day 91 week 14, week 15 week 16, week 17 day 119	Body weight - Male	Mr. J.M.Sonpetkar Mr. D.D.Gawande Mr. M.P.Pawar
05-08-2014, 06-08-2014 13-08-2014, 20-08-2014 27-08-2014, 03-09-2014 10-09-2014, 17-09-2014 24-09-2014, 01-10-2014 08-10-2014, 15-10-2014 22-10-2014, 29-10-2014 03-11-2014, 04-11-2014 12-11-2014, 19-11-2014 26-11-2014, 01-12-2014 02-12-2014	day 0, day 1 week 1, week 2 week 3, week 4 week 5, week 6 week 7, week 8 week 9, week 10 week 11, week 12 week 13, day 91 week 14, week 15 week 16, week 17 day 119	Body weight - Female	Mr. J.M.Sonpetkar Mr. D.D.Gawande Mr. M.P.Pawar
05-08-2014 to 02-11-2014 06-08-2014 to 03-11-2014	1 to 90 1 to 90	Dosing - Male Dosing - Female	Mr. J.M.Sonpetkar Mr. D.D.Gawande Mr. M.P.Supekar Mr. M.P.Pawar
03-11-2014, 01-12-2014 04-11-2014, 02-12-2014	91, 119 91, 119	Clinical Pathology: Haematology and Clinical Biochemistry - Male Clinical Pathology: Haematology and Clinical Biochemistry - Female	Dr. V.V.Dange Miss. S.K.Pise Miss D.B.Survase
29-10-2014, 30-10-2014, 01-12-2014 31-10-2014, 01-11-2014, 02-12-2014	86,87,119 87,88,119	Urine Analysis - Male Urine Analysis - Female	Dr. V.V.Dange
03-11-2014, 01-12-2014 04-11-2014, 02-12-2014	91, 119 91, 119	Terminal Necropsy-Male Terminal Necropsy-Female	Dr. V.V.Dange Dr. S.N.Khutale Dr. S.S.Kad Mr. M.P.Pawar Miss S.V.Patil Mr. M.P.Supekar Mr. J.M.Sonpetkar

Dr. R.M.Bhide Ph.D., ERT

Study Director

(b) (6)

Signature

27/1/2015

Date

The report of an Expert Panel on the GRAS status of Advanced Enzyme's Lipase from Genetically Modified *Aspergillus niger* agg. (strain FL100SC), for use as a processing aid in the modification/esterification of lipids including, but not limited to, human milk fat substitute and cocoa butter substitute, where the lipase enzyme is either not present in the final food or present at trace levels as inactive protein having no functional or technical effect

We, the undersigned members of the Expert Panel, are qualified by scientific education and experience to evaluate the safety of microbial enzymes for use as processing aids in food manufacture. We individually and collectively critically evaluated the materials summarized in the attached monograph entitled, "Triacylglycerol lipase from *Rhizopus oryzae* produced by genetically modified *Aspergillus niger* agg. (strain FL100SC) for modification/esterification of lipids," prepared by Advanced Enzyme Technologies Ltd., discussed our findings and reached a unanimous conclusion.

In evaluating Advanced Enzyme's *Rhizopus oryzae* (*Rhizopus*) lipase enzyme, expressed in *Aspergillus niger* agg. (strain FL100SC), for use as a processing aid in the modification/esterification of lipids including, but not limited to, human milk fat substitute and cocoa butter substitute, where the lipase enzyme is either not present in the final food/feed or present at trace levels as inactive protein having no functional or technical effect, we considered the biology of *Aspergillus niger* and its history of safe use as an ingredient in food manufacture; the history of safe use of the *Rhizopus oryzae* lipase in food manufacture; safety evaluation studies on the *Rhizopus* lipase enzyme preparation produced by *A. niger* agg. (strain FL100SC); information regarding the safe lineage of the production organism, cloning methodology, manufacturing materials and procedures, and product specifications; and information that is publicly available in the peer-reviewed scientific literature.

By way of background, *Aspergillus niger* is a mold that is commonly found in soil and on plants. It is an opportunistic pathogen that only rarely infects humans, typically those with compromised immune systems. The species does not possess the genetic elements needed to produce aflatoxin, but some strains produce ochratoxin and genome of one strain of *A. niger* contains a gene cluster that encodes for fumonisin (HJ Pel et al., Genome sequencing and analysis of the versatile cell factory *Aspergillus niger* CBS 513.88. Nature Biotechnology 25 (2) 221-231, 2007). Nontoxigenic strains of *A. niger* are widely utilized by food ingredient manufacturers for numerous applications including the production of enzyme preparations for use in human food and animal feed.

The production strain *A. niger* agg. (strain FL100SC) was derived from the parental strain *A. niger* (strain ASNSC) and is deposited with the American Type Culture Collection (ATCC) under deposit number SD-6846. Under test conditions the production and parental strains did not produce mycotoxins.

The lipase from *Rhizopus oryzae* has a long history of use in food processing. It is approved for food use by Health Canada, Brazil Food Authority, Légifrance, GB list of China and Food standards of Australia and New Zealand. The US FDA issued a 'no questions' letter in reply to GRN 000216 on the use of this enzyme in food manufacture. The *Rhizopus* lipase gene (lip3-prepro) used to create *A. niger* agg. (strain FL100SC) was a synthetic gene encoding the protein sequence of *Rhizopus oryzae* lipase. The lipase enzyme protein was sequenced and studied for potential safety issues, specifically amino acid sequences that might elicit allergenicity or toxicity concerns. No such sequences were reported.

The *A. niger agg.* (strain FL100SC) *Rhizopus* lipase enzyme preparation is soluble in water and may be immobilized on a support within a reactor. Since the final food product is subjected to filtration and deodorization/distillation, enzyme residues will either not be present in the final food, or present at trace levels as inactive protein having no functional or technical effect.

The *A. niger agg.* (strain FL100SC) *Rhizopus* lipase enzyme preparation was evaluated for genotoxicity using bacterial and mammalian cell test systems, and subchronic toxicity (90 day gavage study) in male and female Sprague-Dawley rats. The NOAEL was determined to be the highest dose tested in this study, 1000 mg/kg body weight in both male and female animals, equating to 548,964 FIP U/kg/day, and 846.6 mg TOS/kg/day.

Advanced Enzyme's *A. niger agg.* (strain FL100SC) production strain was formally evaluated using the Pariza-Johnson decision tree (Regulatory Toxicol. Pharmacol. 33:173-186, 2001). The conclusion of this analysis was that the test article (*Rhizopus* lipase) was accepted.

The cloning techniques and methodologies employed to construct *A. niger agg.* (strain FL100SC) are appropriate for use in the genetic modification of production strains for the manufacture of food ingredients. In addition, the manufacturing process including the ingredients used for fermentation, extraction and concentration, and the specifications for the *Rhizopus* lipase enzyme preparation, are appropriate for a food ingredient.

Conclusions

We conclude that Advanced Enzyme's *Aspergillus niger agg.* (strain FL100SC) is safe and appropriate to use for the manufacture of food-grade *Rhizopus oryzae (Rhizopus)* lipase enzyme. We further conclude that the *Rhizopus* lipase enzyme preparation produced by *A. niger agg.* (strain FL100SC), manufactured in a manner that is consistent with current Good Manufacturing Practice (cGMP) and meeting appropriate food-grade specifications, is GRAS (Generally Recognized As Safe) based on scientific procedures for use as a processing aid in the modification/esterification of lipids including, but not limited to, human milk fat substitute and cocoa butter substitute, where the lipase enzyme is either not present in the final food/feed or present at trace levels as inactive protein having no functional or technical effect.

It is our professional opinion that other qualified experts would concur with these conclusions.

Michael W.
Pariza,
Ph.D.

Digitally signed by Michael W. Pariza, Ph.D.
DN: cn=Michael W. Pariza, Ph.D., o, ou=Member, Michael W. Pariza Consulting LLC, email=mwpariza@gmail.com, c=US
Date: 2018.04.01 14:00:57 -05'00'

Signature: _____

Date: April 1, 2018

Michael W. Pariza, Ph.D., Panel Chair
Professor Emeritus
University of Wisconsin—Madison
Madison, Wisconsin

April 4, 2018

Signature: _____

Date: _____

Dennis Bier, M.D
Professor
Pediatrics-Nutrition
Children's Nutrition Research Center
Baylor College of Medicine
Houston, TX

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Signature: _____

Date: 02 April 2018

Joseph F. Borzelleca, Ph.D.
Professor Emeritus
Virginia Commonwealth University School of Medicine
Richmond, Virginia