DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT OFFICE ADDRESS AND PHONE NUMBER	1	DATE(S) OF INSPECTION	
12420 Parklawn Drive, Room 2032		July 15-19 and 22-26, 2	024
Rockville, MD 20857	ľ	FEINUMBER	
		3003981475	
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED			
TO: Dwight D. Hanshew, Jr., Chief Quality Officer			
FIRM NAME	STREET ADDRESS		
Biocon Biologics Limited	B1 B2 B3 Block No, Q	13 Of Q1 And W20 & U	Jnit S18
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT I		
Bengaluru, Karnataka, 560099, India	Drug Substance and Dr	ug Product Manufacture	r
THIS DOCUMENT LISTS OBSERVATIONS MADE BY THE FDA REPRESENTA OBSERVATIONS; AND DO NOT REPRESENT A FINAL AGENCY DETERMINATI OBSERVATION, OR HAVE IMPLEMENTED, OR PLAN TO IMPLEMENT CORJ OBJECTION OR ACTION WITH THE FDA REPRESENTATIVE(S) DURING THE YOU HAVE ANY QUESTIONS, PLEASE CONTACT FDA AT THE PHONE NUMBER DURING AN INSPECTION OF YOUR FIRM (I) (WE) OBSERVED:	ON REGARDING YOUR COMPLIA RECTIVE ACTION IN RESPONSI INSPECTION OR SUBMIT THIS II	NCE. IF YOU HAVE AN OBJE TO AN OBSERVATION, YO	CTION REGARDING AN DU MAY DISCUSS THE
OBSERVATION #1	12 102 12/20 1		
Procedures designed to prevent microbiological contar	nination of drug produ	cts purporting to be s	sterile did not
include adequate validation of the aseptic process.			
	(b) (4),		^{(b) (4)} for
1. Air flow visualization studies for the	line used	to aseptically fill	
the US market did not meet the acceptance criteria of a		ional and free from t	urbulence or
follow the established execution instructions in the stu-	dy protocol.		
a. In the area where empty (b)(4) are opened and exposed to the environment there is a gap between the overhead HEPA filters of approximately Raw video footage obtained during the smoke studies of this area show air turbulence and upward flowing air. The raw video footage showing this deficient air flow pattern was not included in the final edited versions of the videos discussed in the validation report.			
b. The videos show upward flowing smoke along the RABS barrier near ^{(b)(4)} inside the filling and stoppering RABS. This area is below an approximately ^{(b)(4)} gap between the edge of the HEPA filter and the RABS barrier. The validation report did not identify any deficiencies in this area. A similar gap between the RABS barrier and the HEPA filters exists on all ^{(b)(4)} sides of the RABS filling barrier. The air flow visualization studies have not thoroughly evaluated this gap.			
c. The videos show upward flowing and turbulent air flow near a gap between the HEPA filter edge and the barrier outside of the filling barrier, near (b)(4) There is an approximately gap between the edge of the HEPA filter and the RABS barrier. This Grade A classified area is used during assembly of the machine, and interventions. The raw video footage showing this deficient air flow pattern was not included in the final versions of the videos discussed in the validation report.			
d. The ^{(b) (4)} positioned about ^{(b) (4)} has a support for the ^{(b) (4)} positioned about ^{(b) (4)}			
EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE	(Print or Type)	DATE ISSUED
SEE REVERSE OF THIS PAGE Xiaush: Wang	Justin A. Boyd, Investigator Teresa I. Navas, Investigator Richard Ledwidge, Senior Bi Xiaoshi Wang, Staff Fellow	iologist	07/26/2024
FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE	NSPECTIONAL OBSERVA	TIONS	Page 1 of 14

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT OFFICE ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
12420 Parklaum Driva Doom 2022	July 15-19 and 22-26, 2024		
12420 Parklawn Drive, Room 2032 Rockville, MD 20857	FEI NUMBER		
	3003981475		
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED	<u>_</u>		
TO: Dwight D. Hanshew, Jr., Chief Quality Officer			
FIRM NAME	STREET ADDRESS		
Biocon Biologics Limited	B1 B2 B3 Block No, Q13 Of Q1 And W20 & Unit S18		
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED		
Bengaluru, Karnataka, 560099, India	Drug Substance and Drug Product Manufacturer		
below the HEPA filter. The smoke studies did not thoroughly evaluate the impact of this support on the air flow in this area. e. Protocol ^{(b)(4)} QA/AFVP/017 for the ^{(b)(4)} line states the smoke needs to be introduced by placing the nozzle with the smoke upwards and the nozzle should be moved to cover the entire area of the filter. Raw video files show the smoke nozzle pointed in downward direction and in fixed locations. The final edited videos did not show the smoke from where it was introduced near the filter to the working location.			
2. The ^{(b) (4)} vial line is used for aseptic filling and flow visualization studies in this area:			
a. In the Grade A areas there are gaps between adjacent HEPA filters and between the barrier and the edge of the HEPA filters. These areas have not been thoroughly assessed during airflow pattern studies. Examples include, but are not limited to:			
A ^{(b) (4)} gap between LAF-14 and LAF-15 located above the stopper bowl and the conveyor where open vials pass. Limited static air flow analysis conducted in June 2024 appeared to show upward flowing smoke in this area.			
A $_{(b)(4)}^{(b)(4)}$ gap between LAF-16 and LAF-17 above the conveyor where $_{(b)(4)}^{(b)(4)}$ vials travel to the			
b. Smoke studies to support interventions for vial removal on the and replacement of as per SOP S2/BF/FM/SOP/0158 do not clearly demonstrate good aseptic processing technique. For instance, smoke studies to remove vials from both processing technique. For instance, smoke studies to remove vials from both processing technique. For instance, smoke studies to remove vials from both processing technique and/or touching tubing that is needed to attach to the both technique.			
c. Smoke studies to demonstrate that personnel, carts, and equipment crossing the Grade A ^{(b)(4)} conveyor area to demonstrate unidirectional air flow at critical locations within the fill line or during interventions in the ^{(b)(4)} Vial Filling Line were not provided.			
EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE (Print or Type) DATE ISSUED		
SEE REVERSE OF THIS PAGE Xiaosh; Wang	Justin A. Boyd, Investigator Teresa I. Navas, Investigator Richard Ledwidge, Senior Biologist Xiaoshi Wang, Staff Fellow		
	NSPECTIONAL OBSERVATIONS Page 2 of 14		

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT OFFICE ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
	July 15-19 and 22-26,	2024	
12420 Parklawn Drive, Room 2032 Rockville, MD 20857	FEI NUMBER		
	3003981475		
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED			
TO: Dwight D. Hanshew, Jr., Chief Quality Officer	STREET ADDRESS		
Biocon Biologics Limited	B1 B2 B3 Block No, Q13 Of Q1 And W20 &	Unit S18	
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED		
Bengaluru, Karnataka, 560099, India	Drug Substance and Drug Product Manufactur	er	
grade corridor for aseptic filling line located in and airflow from B corridor into entrance and exit change rooms do not effectively provide visualization of air flow patterns during operational conditions. In addition, air visualization for the laminar airflow inside areas. 4. During smoke studies for all US market aseptic filling lines (b) (4) the smoke generated in the Grade B areas and held over the individuals performing the interventions into Grade A used a (b) (4) based smoke generator. There has been no demonstration to show these particles would demonstrate neutral buoyancy during airflow pattern evaluations. 5. Categorization of defects that have the potential to risk contamination are not adequate. Failure of Media Fill Batch (b) (4) was potentially attributed to both (b) (4) position and/or liquid found in the (b) (4) of the stopper. Neither of these defects is considered a critical defect even though the firms media fill failure investigation has identified them as potential risks to sterility assurance. (b) (4) position is categorized as a minor defect and liquid in the (b) (4) of the stopper is categorized as a major defect during the visual inspection process.			
OBSERVATION #2 Procedures designed to prevent microbiological contamination of drug products purporting to be sterile are not followed.			
1. On ^{(b) (4)} filling line, during aseptic filling of Market), and ^{(b) (4)} batch	^{(b) (4)} batches ^{(b) (4)} perators were observed to extend	the ^{(US}	
over the sterile stopper bowl and sterile stoppers	^{(b) (4)} closure) during interventions to add sto		
2. On ^{(b) (4)} Vial filling line, during aseptic filling operations, procedure S2/BF/FM/SOP/0076 – "Aseptic Behaviors in the Aseptic Processing Area and Periodic Review" was not followed. During review of aseptic filling of ^{(b) (4)} injection lots ^{(b) (4)} (US Market), ^{(b) (4)} US Market), ^{(b) (4)} *xecuted between July 5-13, 2024, the following was observed (the list is non-exhaustive):			
EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE (Print or Type) Justin A. Boyd, Investigator	DATE ISSUED	
SEE From 1. 12 man	Teresa I. Navas, Investigator	07/26/2024	
PAGE	Richard Ledwidge, Senior Biologist Xiaoshi Wang, Staff Fellow	CTRO/EVET	
FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE	NSPECTIONAL OBSERVATIONS	Page 3 of 14	

	TH AND HUMAN SERVICES	
DISTRICT OFFICE ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION	
12420 Derkieur Drive Boom 2022	July 15-19 and 22-26,	2024
12420 Parkiawn Drive, Room 2032 Rockville, MD 20857	FEI NUMBER	
	3003981475	
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED		
TO: Dwight D. Hanshew, Jr., Chief Quality Officer		
FIRM NAME	STREET ADDRESS	
Biocon Biologics Limited	B1 B2 B3 Block No, Q13 Of Q1 And W20 &	Unit S18
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED	
Bengaluru, Karnataka, 560099, India	Drug Substance and Drug Product Manufactur	er
 Operators opened the ^{(b) (4)}wrapping of the sterilized Employees did not sanitize hands prior to intervention touching HMI panel. Employees did not stop vial feeding during clearance 		
near the vial feed area. • Employees crossed the grade A ^{(b)(4)} conveyor belt a RABS ^{(b)(4)}	rea located in ^{(b) (4)} area without saniti	
3. The ^{(b) (4)} Vial Filling Line is not designed to minimize conveyor as personnel can only enter the rear side of th a ^{(b) (4)} conveyor to exit the front side of the fill line. E operations must enter the front side of the fill line and b side of the fill line. Review of this area noted the follow	e fill line and must cross the Grade A lam quipment needed on the rear side of the fi rought across the Grade A laminar flow a	iinar flow through ill line for
a. There are no limits to the number of personnel, carts, conveyor that is located between the stoppering station setup and during filling operations. Crossing the lamina ^{(b) (4)} and the vial conveyor belt with gloved hand crossings. Greater than 30 crossings of the Grade A lar cart during both setup and filling operations on the ^{(b) (4)} on July 24, 2024. The same filling lim ^{(b) (4)} or the US market.	and the ⁽⁰⁾⁽⁴⁾ loading station during or flow requires manual dismantling and r s within the fill line in order to allow pers ninar flow area were observed by person	both filling line eassembly of vial connel and cart nel alone or with a (^{b)(4)})f
SOP/0158 and thus not appropriately documented. In a Grade A ^{(b)(4)} conveyor are not purposely challenged interventions.	in aseptic process simulations as they are	t crossings of the not considered
	EMPLOYEE(S) NAME AND TITLE (Print or Type) Justin A. Boyd, Investigator	DATE ISSUED
SEE REVERSE OF THIS PAGE Viardo: Wang	Teresa I. Navas, Investigator Richard Ledwidge, Senior Biologist Xiaoshi Wang, Staff Fellow	07/26/2024
FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE	SPECTIONAL OBSERVATIONS	Page 4 of 14

	DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT OFFICE A	ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
10/00 7 11	D	July 15-19 and 22-26,	2024	
12420 Parklawi Rockville, MD	n Drive, Room 2032 20857	FEI NUMBER		
		3003981475		
	ation: www.fda.gov/oc/industry	5005701715		
TO: Dwight D.	Hanshew, Jr., Chief Quality Officer	STREET ADDRESS		
Biocon Biologio	cs Limited	B1 B2 B3 Block No, Q13 Of Q1 And W20 &	Unit S18	
CITY, STATE AND Z		TYPE OF ESTABLISHMENT INSPECTED		
	nataka, 560099, India	Drug Substance and Drug Product Manufactur	er	
immediately a ^{(b) (4)} PR(decontaminat d. During filli Grade A	 c. During filling of ^{(b) (4)} batch ^{(b) (4)} on July 24, 2024, manufacturing operations began immediately after cleaning was completed of the Grade A ^{(b) (4)} conveyor area, which does not adhere to SOP ^{(b) (4)} waiting period before production can resume after decontamination. d. During filling of ^{(b) (4)} batch ^{(b) (4)} personnel were crossing back and forth through the 			
 During fill were removed subsequent m The 	d from the ^{(b) (4)} while reaching over	^{(b) (4)} here was an intervention (at the remaining open container closures that illing of the	^{(b) (4)} where vials were used in (b) (4)	
 a. During aseptic filling on the ^{(b)(4)} line for ^{(b)(4)} batch ^{(b)(4)} an operator performed an ^{(b)(4)} intervention to add stoppers. The operator was observed to use their hands and arm over the sterile stoppers and stopper bowl during addition of the stoppers. The operator then held their hand over the stopper bowl between addition of stoppers bags. b. After personnel monitoring of hands and forearms conducted at the end of an ^{(b)(4)} intervention during ^{(b)(4)} batch ^{(b)(4)} an operator did not immediately change their gloves and subsequently touched the filling machine HMI screen. 				
OBSERVATION #3				
Laboratory test procedures and controls are not established and followed.				
1. Test procedures are not followed for integration of chromatograms. During ^{(b)(4)} esting for ^{(b)(4)} analysts initially applied a standard processing method that resulted in integration that appeared consistent with the reference chromatogram in the standard test procedure, integration during analytical method validation, and approved integration during previous stability timepoints. This initial processing resulted in OOS results for long				
	EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE (Print or Type)	DATE ISSUED	
SEE REVERSE OF THIS PAGE	Viash: Wang	Justin A. Boyd, Investigator Teresa I. Navas, Investigator Richard Ledwidge, Senior Biologist Xiaoshi Wang, Staff Fellow	07/26/2024	
FORM FDA 483 (9	9/08) PREVIOUS EDITION OBSOLETE	INSPECTIONAL OBSERVATIONS	Page 5 of 14	

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT OFFICE ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
12420 Porklaum Drive Room 2032	July 15-19 and 22-26,	2024	
12420 Parklawn Drive, Room 2032 Rockville, MD 20857	FEI NUMBER		
	3003981475		
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED			
TO: Dwight D. Hanshew, Jr., Chief Quality Officer			
FIRM NAME	STREET ADDRESS		
Biocon Biologics Limited	B1 B2 B3 Block No, Q13 Of Q1 And W20 &	Unit S18	
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED		
Bengaluru, Karnataka, 560099, India	Drug Substance and Drug Product Manufactur	er	
term stability samples for the percentage of basic variant to reprocess chromatograms, which reduced the area inter the result from out of specification to within specification (^{(b) (4)} 24-month, Initial: ^{(b) (4)} % Reprocessed: ^(b) at 36 and 48 months.	egrated for the percentage of basic varian $(\leq ^{(b)(4)}\%)$. For example:	ts. This changed	
^{(b) (4)} 48-month. Initial: ^{(b) (4)} % Reprocessed: ^(b)			
Additionally, permissions assigned to analysts in the Emview quantitation peak fields in review. This allows the awhether to save the reprocessed chromatogram or enter a QC/Q8/ SPEC/FP/170-01 requires any changes to the pro- However, the analysts do not save the result after each pro- saved.	analyst to see area counts and results before additional integration parameters. Standa ocessing to be done by changing one par	ore deciding rd test procedure ameter at a time.	
2. Written testing procedures are inadequate to ensure ap	ppropriate quality control of	(b) (4)	
drug substance and drug product for purity and impurity		y, one of the	
system suitability criteria of this analytical method is "po	ost peak to the main peak at a relative ret	ention time	
(RRT) range of ^{(b) (4)} should be observed". Accordin	ng to the method validation results, the fi	rst peak post to	
the main peak (i.e., was selected for the system	m suitability evaluation. However, after i	reviewing the	
chromatograms of historical system suitability samples over the past two years, we observed that different post-			
peaks were eluted within the RRT range of $\binom{6}{4}$ and thus the analysts inconsistently selected a peak for			
system suitability evaluation other than A retrospective evaluation of system suitability samples over			
the past two years showed a RRT range of $(b)(4)$ for $(b)(4)$ peak. If $(b)(4)$ peak was uniformly selected			
for system suitability evaluation, about 35% of the reported assays results which passed system suitability criteria should have been considered as invalid results. The RRT of peak is critical because RRT is taken			
consideration into the integration procedure.			
Construction may my more have a second of the second of th			
	MPLOYEE(S) NAME AND TITLE (Print or Type)	DATE ISSUED	
OF THIS PAGE	ustin A. Boyd, Investigator Feresa I. Navas, Investigator Richard Ledwidge, Senior Biologist Kiaoshi Wang, Staff Fellow	07/26/2024	
	PECTIONAL OBSERVATIONS	Page 6 of 14	

•

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT OFFICE ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
12 (20 Baddawa Daine Baser 2022	July 15-19 and 22-26, 2	2024	
12420 Parklawn Drive, Room 2032 Rockville, MD 20857	FEI NUMBER	FEI NUMBER	
	3003981475		
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED			
TO: Dwight D. Hanshew, Jr., Chief Quality Officer FIRM NAME	STREET ADDRESS		
Biocon Biologics Limited	B1 B2 B3 Block No, Q13 Of Q1 And W20 &	Unit S18	
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED		
Bengaluru, Karnataka, 560099, India	Drug Substance and Drug Product Manufacture	er	
procedure allows modifications to optimize the processing method by making changes one at a time. Only if the method cannot be optimized, the procedure allows analysts to request to use manual integration. Review of electropherograms found no meaningful attempt was being made to optimize processing methods before manual integration. A NR CE-SDS analyst stated manual integration is being used ^{(b)(4)} / ₆ , of the time. 4. There have been no procedures established to identify and investigate out of trend (OOT) or unexpected results during stability testing. For example: a. The percent basic variants has a specification of \leq ^{(b)(4)} / ₆ during ^{(b)(4)} / ₆ bulk stability testing and the basic variants is expected to increase during the shelf life. Results prior to the ^{(b)(4)} / ₆ expiration date included batch ^{(b)(4)} / ₆ the 36-month timepoint with a result of ^{(b)(4)} / ₆ . No limits have been established to open investigations until after an out of specification result has been reached.			
b. Unexpected results are not investigated. For example, during ^{(b) (4)} bulk stability CE-SDS non-reducing, ^{(b) (4)} has a limit of $\leq^{(0) (4)}$ % and is expected to increase over time.			
Batch ^{(b) (4)} had a ^{(b) (4)} result for ^{(b) (4)} % at the 12-month timepoint and decreased to ^{(b) (4)} % at the 24-			
month timepoint.			
Batch ^{(b)(4)} nad a ^{(b)(4)} result of ^{(b)(4)} % at the 3-month timepoint and decreased to ^{(b)(4)} % at the 24- month timepoint.			
OBSERVATION #4			
Computerized systems lack controls and review of electronic data to prevent omissions in data.			
(b) (4)			
1. The electronic data for the non-viable particle F2-APC-05 showed results that failed to meet acceptance criteria, which had not been reported in the paper records. Operators are supposed to transcribe results into paper			
logbooks and attach printouts, which are reviewed. There is no review of the source electronic data to ensure all			
SEE EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE (Print or Type) Justin A. Boyd, Investigator	5.11 - 1000-00	
OF THIS	Teresa I. Navas, Investigator Richard Ledwidge, Senior Biologist	07/26/2024	
PAGE Kiaushi Wang	Xiaoshi Wang, Staff Fellow		
	INSPECTIONAL OBSERVATIONS	Page 7 of 14	

Bengaluru, Karnataka, 560099, India Drug Substance and Drug Product Manufacturer data is reported. Examples of unreported data for tests that stopped before the sample collection time observed in the electronic data included: 0000 sample collection time of sample collection time observed in the electronic data included: Point 0001, AF-09- 0000 Unloading (Grade A) on July 4, 2024, 14:42. The omicron particle limit of not more than 000 had already been exceeded with a result of 57 when the test stopped. Point 0000, CAF-09- 0000 Unloading (Grade A) on June 18, 2024, 0000 The omicron particle limit of not more than 0000 had already been exceeded with a result of 53 when the test stopped. 0000 cone (Grade A) on June 18, 2024, 0000 The omicron particle limit of not more than 0000 already been exceeded with a result of 0000 when the test stopped. 0000 compared to a Junt of 0000 when the 00000 when the 00000 million on count had a count of 0000 when the 00000 when the 00000 million on count had a count of 0000 when the 00000 million on the data governance group and identified the potential for not reporting data in these systems. However, the assessment resulted in no action to review the source electronic data, rather it allowed the reliance on print outs. The assessment did not evaluate the need to back-up the electronic data. 2. CE-SDS testing for 00000 million is performed for release testing and occasional stability testing on instruments QC-Q8-AI-876 that utilize 32 Karat Software. Neither instrument has been configured to save all electropherogram results. Only the final result is saved as the analyst changes the processing method and uses manual integration. Deviation investigation #29510	DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
12420 Parklawn Drive, Reom 2032 Rokville, MD 20857 Industry Information: www.fila.gov/oc/industry NAME ARD THE OF NOTWORK, TO WHOM REPORT IF IS SUED To: Divight D. Hanshew, Jr., Chief Quality Officer FIE MAME Bioon Biologies Limited CITY, STATE AND 2P CODE Bengaluru, Kamataka, 560099, India Drug Substance and Drug Troduct Manufacturer data is reported. Examples of unreported data for tests that stopped before the sengaluru, Kamataka, 560099, India Drug Substance and Drug Troduct Manufacturer data is reported. Examples of unreported data for tests that stopped before the sengaluru, Kamataka, 560099, India Drug Substance and Drug Troduct Manufacturer data is reported. Examples of unreported data for tests that stopped before the sengaluru, Kamataka, 560099, India Drug Substance and Drug Troduct Manufacturer data is reported. Examples of unreported data for tests that stopped before the sengaluru, Kamataka, 56009, India Point (************************************	DISTRICT OFFICE ADDRESS AND PHONE NUMBER	DATE(S)	OF INSPECTION	
Rockville, MD 20857 FEI MAMBER Industy Information: www.file.gov/orindustry 3003981475 NUME AND THE CENDROUND. TO WOOK INDUSTRY B1 B2 B3 Block No, Q13 OF Q1 And W20 & Unit \$18 CTV, STATE AND 2P COCE Drug Substance and Drug Froduct Manufacturer Bengaluru, Kamataka, 500099, India Drug Substance and Drug Froduct Manufacturer data is reported. Examples of unreported data for tests that stopped before the observed in the electronic data included: Drug Substance and Drug Froduct Manufacturer Point MG. AF-09 MG Unloading (Grade A) on June 18, 2024, 14:42. The omicron particle limit of not more than MG. A already been exceeded with a result of 53 when the test stopped. Point MG and already been exceeded with a result of 53 when the test stopped. particle compared to a limit of more than MG. Ada local A) on June 18, 2024, MG. The MG. The MG. North the seconds. MG micron particle limit of not more than MG. Ada local A) on June 18, 2024, MG. The MG. North the seconds. Review of data older than April 25, 2024, was not possible because data is not being backed up and had been overwritten. Similar NVPC tests that were stopped before complection were observed on MG. NVPC F2-APC-01. A risk assessment dated June 28, 202	12420 Deddawe Deine Born 2020	July 1	5-19 and 22-26, 2024	
Industry Information: www.file.gov/ocfindustry 3003981475 NAUE AND TITLE OF BEDVIDUAL. TO WHOM REPORT TO ISSUED 5786ET ADDRESS Bideon Biologies Limited B1 B2 B3 Block No, Q13 Of Q1 And W20 & Unit \$18 CTV, STATE AND ZP CODE PTPE OF ESTABLISHMENT INSPECTUD Bengaluru, Kamstaka, 560099, India Drug Substance and Drug Product Manufacturer data is reported. Examples of unreported data for tests that stopped before the observed in the electronic data included: 0006 sample collection time observed in the electronic data included: Point 001 AF-09 0010 Unloading (Grade A) on July 4, 2024, 14:42. The micron particle limit of not more than 001 ad already been exceeded with a result of 57 when the test stopped. micron particle limit of not more than 0010 ad ready been exceeded with a result of 53 when the test stopped. Point 001 AF-09 0010 Unloading (Grade A) on June 18, 2024, 0010 The onicron particle limit of not more than 0010 ad already been exceeded with a result of 53 when the test stopped. Point 001 AF-09 0010 Unloading (Grade A) on June 18, 2024, 0010 The onicron particle limit of not more than 0010 ad already been exceeded with a result of 0010 when the test stopped. Point 001 AF-09 0010 Unloading (Mone 18, 2024, 0010 The onicron particle limit of not more than 0010 ad already been exceeded with a nesult of 0010 when the test stopped. Point 101 CAF-09 0010 The		FEINUM	BER	
Industry information: www.ita.gevice/industry NUME XNO TIC OF NOMMOLE TOWN METCORE ISSUED TO: Dwight D. Hanshew, Jr., Chief Quality Officer FIRM NUME Bitecon Biologies Limited GTV, STATE AND 2P CODE Bengaluru, Kamataka, 560099, India GTV, STATE AND 2P CODE Bengaluru, Kamataka, 560099, India GTV, STATE AND 2P CODE Bengaluru, Kamataka, 560099, India Drug Substance and Drug Product Manufacturer data is reported. Examples of unreported data for tests that stopped before the observed in the electronic data included: Point ¹⁰⁰⁴ A.F. 0.9- more than ¹⁰¹⁶ had already been exceeded with a result of 57 when the test stopped. Point ¹⁰⁰⁴ A.F. 0.9- ¹⁰¹⁶ ¹⁰¹⁶ had already been exceeded with a result of 57 when the test stopped. Point ¹⁰⁰⁴ had already been exceeded with a result of 53 when the test stopped. ¹⁰¹⁶ ¹⁰¹⁶ had already been exceeded with a result of 53 when the test stopped. ¹⁰¹⁷ ¹⁰¹⁸ had already been exceeded with a result of ¹⁰¹⁸ When the test stopped. ¹⁰¹⁸ ¹⁰¹⁹ had already been exceeded with a result of ¹⁰¹⁹ ¹⁰¹⁹ ¹⁰¹⁹ The ¹⁰¹⁹ ¹⁰¹⁰		30039	81475	
TO: Dwight D. Hanshew, Jr., Chief Quality Officer FIRM NAME STREET ADDRESS Biocon Biologics Limited THE OF ESTALISMENT MARK-TED Bengaluru, Kamataka, 560099, India Drug Substance and Drug Product Manufacturer data is reported. Examples of unreported data for tests that stopped before the observed in the electronic data included: Drug Substance and Drug Product Manufacturer Point Min. A.F09- Min. Duration of the electronic data included: Drug Substance and Drug Product Manufacturer Point Min. A.F09- Min. Duration of the electronic data included: Drug Substance and Drug Product Manufacturer Point Min. A.F09- Min. Duration of the electronic data included: Drug Substance and Drug Product Manufacturer Point Min. A.F09- Min. Duration of Sim. None the test stopped. Min. The m				
FIFM MADE STREEF ADDRESS Biocon Biologics Limited B1 22 B3 Block No, 013 Of Q1 And W20 & Unit \$18 OWN_STATE AND 2P CODE Drug Substance and Drug Product Manufacturer data is reported. Examples of unreported data for tests that stopped before the observed in the electronic data included: Drug Substance and Drug Product Manufacturer Point Mod. AF-09- Mod. Unloading (Grade A) on July 4, 2024, 14:42. The micron particle limit of not more than to more than more than to more than the electronic data and the accured with a result of more than more than more than more than to more than to more than more than more than to more than to more than the electronic data and the test stopped before completion were observed on more than more than the electronic data and the test stopped before completion were observed on more than the been overevithen. Similar NVPC				
CITY, STATE AND 2P COCE TYPE OF ESTABLISHMENT INSPECTED Bengaluru, Karnataka, 560099, India Drug Substance and Drug Product Manufacturer data is reported. Examples of unreported data for tests that stopped before the observed in the electronic data included: Image: Content of the observed in the electronic data included: Point Mid: AF-09 Mid: Oldoading (Grade A) on July 4, 2024, 14:42. The observed in the electronic data aready been exceeded with a result of 57 when the test stopped. Mid: One of the observed in the electronic particle limit of not more than observed with a result of 53 when the test stopped. Point Mid: AF-09 Mid: Oldoading (Grade A) on June 18, 2024, or observed on the observed with a result of S3 when the test stopped. Mid: ad already been exceeded with a result of Mid: when the test stopped. Mid: One optimizer on particle limit of not more than observed on the observed on the test stopped. Mid: ad already been exceeded with a result of Mid: when the test stopped. Mid: One optimizer on count had a count of observed on of the observed on the observed on the observed on the observed on of the observed on optimizer on the observed on optimizer on count had a count of observed on a limit of observer, the assessment resulted in no action to review the source electronic data, rather it allowed the reliance on print outs. The assessment did not evaluate the need to back-up the electronic data. 2. CE-SDS testing for the observer observed on optime test is saved as the analyst changes the processing method and uses manual integration. Deviation investigator method and uses mal		STREET ADDRESS		
CITY, STATE AND 2P COCE TYPE OF ESTABLISHMENT INSPECTED Bengaluru, Karnataka, 560099, India Drug Substance and Drug Product Manufacturer data is reported. Examples of unreported data for tests that stopped before the observed in the electronic data included: Image: Content of the observed in the electronic data included: Point Mid: AF-09 Mid: Oldoading (Grade A) on July 4, 2024, 14:42. The observed in the electronic data aready been exceeded with a result of 57 when the test stopped. Mid: One of the observed in the electronic particle limit of not more than observed with a result of 53 when the test stopped. Point Mid: AF-09 Mid: Oldoading (Grade A) on June 18, 2024, or observed on the observed with a result of S3 when the test stopped. Mid: ad already been exceeded with a result of Mid: when the test stopped. Mid: One optimizer on particle limit of not more than observed on the observed on the test stopped. Mid: ad already been exceeded with a result of Mid: when the test stopped. Mid: One optimizer on count had a count of observed on of the observed on the observed on the observed on the observed on of the observed on optimizer on the observed on optimizer on count had a count of observed on a limit of observer, the assessment resulted in no action to review the source electronic data, rather it allowed the reliance on print outs. The assessment did not evaluate the need to back-up the electronic data. 2. CE-SDS testing for the observer observed on optime test is saved as the analyst changes the processing method and uses manual integration. Deviation investigator method and uses mal	Biocon Biologics Limited	B1 B2 B3 Block No, Q13 Of	Q1 And W20 & Unit S18	
data is reported. Examples of unreported data for tests that stopped before the observed in the electronic data included: (0)(%) sample collection time observed in the electronic data included: Point (0)(%) AF-09- (0)(%) Unloading (Grade A) on July 4, 2024, 14:42. The omicron particle limit of not more than (0)(%) and already been exceeded with a result of 57 when the test stopped. (0)(%) The omicron particle limit of not more than (0)(%) and already been exceeded with a result of 53 when the test stopped. Point (0)(%) CAF-09- (0)(%) Unloading (Grade A) on June 18, 2024, (0)(%) The omicron particle limit of not more than (0)(%) and already been exceeded with a result of 53 when the test stopped. (0)(%) cone (Grade A) on June 17, 2024, (0)(%) The omicron count had a count of (0)(%) and already been exceeded with a result of (0)(%) when the test stopped. (0)(%) cone (Grade A) on June 18, 2024, (0)(%) The omicron count had a count of (0)(%) particle compared to a limit of (0)(%) when the (0)(%) test was stopped after 2 minutes and 58 seconds. Review of data older than April 25, 2024, was not possible because data is not being backed up and had been overwritten. Similar NVPC tests that were stopped before completion were observed on (0)(%) NVPC F2-APC-01. A risk assessment dated June 28, 2024, was performed by the data governance group and identified the potential for not reporting data in these systems. However, the assessment resulted in no action to review the source electronic data, rather it allowed the reliance on print outs. The assessment did not evaluate the need to back-up the electronic data. 2. CE-SDS testing for theaperity of the final result is saved as the analyst changes the p	CITY, STATE AND ZIP CODE			
observed in the electronic data included: Point [006]_AF-09	Bengaluru, Karnataka, 560099, India	Drug Substance and Drug Pro-	duct Manufacturer	
 (b) (a) ad already been exceeded with a result of (b) (d) when the test stopped. (b) (a) zone (Grade A) on June 18, 2024, (b) (a) The (b) (d) nicron count had a count of (b) (d) particle compared to a limit of (b) (d) when the (b) (d) test was stopped after 2 minutes and 58 seconds. Review of data older than April 25, 2024, was not possible because data is not being backed up and had been overwritten. Similar NVPC tests that were stopped before completion were observed on (b) (d) NVPC F2-APC-01. A risk assessment dated June 28, 2024, was performed by the data governance group and identified the potential for not reporting data in these systems. However, the assessment resulted in no action to review the source electronic data, rather it allowed the reliance on print outs. The assessment did not evaluate the need to back-up the electronic data. CE-SDS testing for (b) (d) is performed for release testing and occasional stability testing on instruments QC-Q8-AI-877 and QC-Q8-AI-876 that utilize 32 Karat Software. Neither instrument has been configured to save all electropherogram results. Only the final result is saved as the analyst changes the processing method and uses manual integration. Deviation investigation #29510 was initiated May 24, 2021, when electronic data did not match the submitted printout during CE-SDS analysis on instrument QC-Q17-AI-364 and the same 32 Karat Software. The EMPLOYEE(S) SIGNATURE FOR TARGE AND TITLE (Print or Type) (D) Justin A. Boyd, Investigator Trees I. Navas, Investigator Kitakare, Staff Fellow 	more than ^{(b) (4)} had already been exceeded with Point ^{(b) (4)} LAF-09- ^{(b) (4)} Unloading (n a result of 57 when the test stopped. Grade A) on June 18, 2024, ^{(b) (4)} The		
particle compared to a limit of (*)(*)(*) when the (*)(*)(*) test was stopped after 2 minutes and 58 seconds. Review of data older than April 25, 2024, was not possible because data is not being backed up and had been overwritten. Similar NVPC tests that were stopped before completion were observed on (*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)(*)((b) (4) and already been exceeded with a result of	(^{(b) (4)} when the test stopped.		
overwritten. Similar NVPC tests that were stopped before completion were observed on APC-01. (b) (4) NVPC F2- A risk assessment dated June 28, 2024, was performed by the data governance group and identified the potential for not reporting data in these systems. However, the assessment resulted in no action to review the source electronic data, rather it allowed the reliance on print outs. The assessment did not evaluate the need to back-up the electronic data. 2. CE-SDS testing for and the reliance on print outs. The assessment did not evaluate the need to back-up the electronic data. 2. CE-SDS testing for action (b) (4) is performed for release testing and occasional stability testing on instruments QC-Q8-AI-877 and QC-Q8-AI-876 that utilize 32 Karat Software. Neither instrument has been configured to save all electropherogram results. Only the final result is saved as the analyst changes the processing method and uses manual integration. Deviation investigation #29510 was initiated May 24, 2021, when electronic data did not match the submitted printout during CE-SDS analysis on instrument QC-Q17-AI-364 and the same 32 Karat Software. The SEE EMPLOYEE(s) SIGNATURE EMPLOYEE(s) NAME AND TITLE (Print or Type) Justin A. Boyd, Investigator Richard Ledwidge, Senior Biologist Xiaoshi Wang, Staff Fellow DATE ISSUED				
for not reporting data in these systems. However, the assessment resulted in no action to review the source electronic data, rather it allowed the reliance on print outs. The assessment did not evaluate the need to back-up the electronic data. 2. CE-SDS testing for the electronic data did not match the submitted to save all electropherogram results. Only the final result is saved as the analyst changes the processing method and uses manual integration. 2. Deviation investigation #29510 was initiated May 24, 2021, when electronic data did not match the submitted printout during CE-SDS analysis on instrument QC-Q17-AI-364 and the same 32 Karat Software. The the electronic data did not match the submitted for the final result is saved. Investigator teresa I. Navas, Investigator teresa				
QC-Q8-AI-877 and QC-Q8-AI-876 that utilize 32 Karat Software. Neither instrument has been configured to save all electropherogram results. Only the final result is saved as the analyst changes the processing method and uses manual integration. Deviation investigation #29510 was initiated May 24, 2021, when electronic data did not match the submitted printout during CE-SDS analysis on instrument QC-Q17-AI-364 and the same 32 Karat Software. The SEE REVERSE OF THIS PAGE Xiaush: UVang Vuang Xiaush: UVang Xiaush Xi	for not reporting data in these systems. Howe	ver, the assessment resulted in no acti-	on to review the source	
printout during CE-SDS analysis on instrument QC-Q17-AI-364 and the same 32 Karat Software. The SEE EMPLOYEE(S) SIGNATURE EMPLOYEE(S) NAME AND TITLE (Print or Type) DATE ISSUED SEE Instrument QC-Q17-AI-364 and the same 32 Karat Software. The DATE ISSUED DATE ISSUED SEE Instrument QC-Q17-AI-364 and the same 32 Karat Software. The DATE ISSUED DATE ISSUED SEE Instrument QC-Q17-AI-364 and the same 32 Karat Software. The DATE ISSUED DATE ISSUED SEE Instrument QC-Q17-AI-364 and the same 32 Karat Software. The DATE ISSUED DATE ISSUED PAGE Instrument QC-Q17-AI-364 and the same 32 Karat Software. The DATE ISSUED DATE ISSUED Vision A. Boyd, Investigator Instrument QC-Q17-AI-364 and Ledwidge, Senior Biologist 07/26/2024 Xiaosh: Vision Software Xiaoshi Wang, Staff Fellow 07/26/2024	2. CE-SDS testing for ^{(b)(4)} is performed for release testing and occasional stability testing on instruments QC-Q8-AI-877 and QC-Q8-AI-876 that utilize 32 Karat Software. Neither instrument has been configured to save all electropherogram results. Only the final result is saved as the analyst changes the processing method and uses manual integration.			
SEE REVERSE OF THIS PAGE Viarsh: Wang SEE Viarsh: Wang Viarsh: Wang Viarsh: Wang Viarsh: Wang Viarsh: Viarsh: Viarsh Viarsh: Viarsh Viarsh: Viarsh Viarsh: Viarsh Viars	Deviation investigation #29510 was initiated May 24, 2021, when electronic data did not match the submitted printout during CE-SDS analysis on instrument QC-Q17-AI-364 and the same 32 Karat Software. The			
FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE INSPECTIONAL OBSERVATIONS Page 8 of 14	SEE Antra A. Bury REVERSE OF THIS PAGE	Justin A. Boyd, Investigator Teresa I. Navas, Investigator Richard Ledwidge, Senior Biologist		
	FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE	INSPECTIONAL OBSERVATIONS	Page 8 of 14	

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT OFFICE AD	DORESS AND PHONE NUMBER	DATE(S) OF INSF	ECTION
		July 15-19 an	d 22-26, 2024
12420 Parklawn Rockville, MD 2	Drive, Room 2032	FEI NUMBER	
noon mo, mis z			
	ion: www.fda.gov/oc/industry	3003981475	
TO: Dwight D. I	Hanshew, Jr., Chief Quality Officer	STREET ADDRESS	
Biocon Biologics	Limited	B1 B2 B3 Block No, Q13 Of Q1 And	1 W20 & Unit \$18
CITY, STATE AND ZIF		TYPE OF ESTABLISHMENT INSPECTED	1 w 20 & Onit 516
a sector to the sector of the	ataka, 560099, India	Drug Substance and Drug Product Ma	anufacturer
	ound the system had not been configure		
This investigat	tion was not extended to evaluate all ins	truments and ensure they had been	configured to save all
data.			1019
A diditionally	a gap assessment by the data governance	anoun was approved Pabruary 12	2024 for the 22 Karat
	failure to save all data was not identified		2024, 101 IIIC 32 Marat
soltware. The	fantile to save an data was not iterative	a during the gap assessment.	
3. Production	supervisors are given access to delete re	sults in the ^{(b) (4)} integrity testing ec	uipment. A gap
	ted February 10, 2024, was performed b	w the data governance group did no	t address the delete
same and the second of the second	ted to production supervisors.	,,,,,,,	
4. Audit trail r	eview procedures for production softwa	re are general and do not contain in	structions specific to the
different softw	vares to ensure a thorough review of raw	data. In addition, audit trail review	/s for ^{(b) (4)} software
are done on the	e printout copies and do not evaluate the	e source electronic data.	
		(b) (4)	(b) (4)
	n #151029 into the loss of data time poi		
notes that this	was the only occurrence for the loss of	data observed. However, review of	work orders records
shows that this incident had occurred at least eight (8) times prior to the opening of this investigation. During deviation investigations there is no evaluation of work orders when considering whether an event is recurring. The			
	on for the lost data was to open change		
	control does not contain information as		
	are can be obtained.	sociated with a mitigation strategy	to provone data 1055 and
the new soltwi	are can be obtained.		
6. Raw data vi	deo files for smoke studies conducted to	o qualify filling line for US comme	reial products located in
building ^{(b) (4)} w	ere not available.	1 7 0	^
OBSERVATION #5			
Investigations of an unexplained discrepancy or a failure to meet a specification were not thorough and did not			
extend to other batches that may have been associated with the discrepancy or failure.			
1. Investigation PR #134741 was not thorough and expanded to assess the full scope of the discrepancies. The			
	EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE (Print or Type)	DATE ISSUED
SEE REVERSE	forthe 1. Corgo	Justin A. Boyd, Investigator Teresa I. Navas, Investigator	
OF THIS PAGE	and the second s	Richard Ledwidge, Senior Biologist	07/26/2024
	Xiaush: Wang	Xiaoshi Wang, Staff Fellow	

FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE

		NT OF HEALTH AND HUMAN SERVICES	
DISTRICT OFFICE	ADDRESS AND PHONE NUMBER	[C	DATE(S) OF INSPECTION
			July 15-19 and 22-26, 2024
12420 Parklav Rockville, MI	vn Drive, Room 2032 D 20857		EINUMBER
			3003981475
	nation: www.fda.gov/oc/industry OF INDIVIDUAL TO WHOM REPORT IS ISSUED		
	D. Hanshew, Jr., Chief Quality Officer		
FIRM NAME	7. Hanshew, 51., Chief Quarty Officer	STREET ADDRESS	
Biocon Biolog	tics Limited	B1 B2 B3 Block No, Q	13 Of Q1 And W20 & Unit S18
CITY, STATE AND		TYPE OF ESTABLISHMENT IN	
Bengaluru, Ka	rnataka, 560099, India	Drug Substance and Drug	ug Product Manufacturer
records gene data. The investig	nick fix instead of addressing freque erated by a third party vendor that a sation did not include attempts to in	tent maintenance issues. The in should have detected these discu nterview the third party calibrat	ion employees that generated
3	ecords that shows criteria was met	•3	d the unauthorized changes. third party calibration vendor at this
site and any	potential impact to other work per	formed.	
The investig	ation identified a lack of oversight ation did not expand to evaluate we activities under the inadequate over	ork performed by other third pa	
access to ma made to IT,	gation identified IT personnel had a ake changes that had not been appr from all departments, to determine ve access to make changes withou	oved by quality. There was no a if other requests had been gran	assessment of the work requests
aseptic area approximate	conmental monitoring trending pro s grades A and B for recovered fur ely February 2024, the site would r on limit excursions rates which exc	gi/mold and gram-negative org tot conduct investigations when	valuation of route of ingress into the anisms. In addition, prior to ^{(b) (4)} trends revealed recovery
filter. The in	ns 177060, 129067, and 131819 are nvestigation did not thoroughly ass ing to release the associated drug p	ess the risk of microbial ingress	g into the fill line through an air vent s due to the wetting of the vent filter
when decidi			
when decidi	EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE Justin A. Boyd, Investigator	(Print or Type) DATE ISSUED

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION			
DISTRICT OFFICE ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION		
12420 Parklawn Drive, Room 2032	July 15-19 and 22-26,	2024	
Rockville, MD 20857	FEINUMBER		
7 7	3003981475		
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED			
TO: Dwight D. Hanshew, Jr., Chief Quality Officer			
FIRM NAME	STREET ADDRESS		
Biocon Biologics Limited	B1 B2 B3 Block No, Q13 Of Q1 And W20 &	Unit S18	
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED		
Bengaluru, Karnataka, 560099, India	Drug Substance and Drug Product Manufactur	er (A) (A)	
left on the ^{(b) (4)} wipe. Forceps are used throughout t aseptic functions including manipulation with product	Il line. The identity of the particles has not ed to clean the forceps a ^{(b) (4)} noticeably he ^{(b) (4)} Vial Filling Area performing a num contact stopper equipment.	been analytically ^{(b) (4)} stain was ber of critical	
5. There are multiple deviations (>10) regarding excee Deviations 171146, 172572, and 179602 the quality un covered the excursion, typically a single batch. Quality prevent recurrence or conducted studies to justify exter	it released the drug product based on limit has not implemented appropriate prevent ading hold times.	ed data that we controls to	
There is no process to routinely identify visible parti and minimize particulate sources in the aseptic filling a		rder to identify	
7. ^{(b) (4)} NVPC data associated with batch continuous monitoring probes did not provide a result. not know what these "Error" meant or its impact. The investigate the cause and impact for the repeated errors	record was approved by QA without comm	oved the data did	
8. There has been no investigation for the repeated ^{(b) (4)} neasurements at multiple ^{(b) (4)} drug substance ^{(b) (4)} steps where ^{(b) (4)} neasurements were out of batch manufacturing record (BMR) defined ranges. 1 here is no assurance the ^{(b) (4)} results obtained from ^{(b) (4)} neasurement are consistent for use during the subsequent manufacturing process. Specifically, during the ^{(b) (4)} process, the BMR describes that in case ^{(b) (4)} of the ^{(b) (4)} solution measured ^{(b) (4)} is not in the BMR range, the result(s) is allowed to be verified using ^{(b) (4)} instrument on sample(s) collected from ^{(b) (4)} of the ^{(b) (4)} solution measurements are within the BMR ranges, ^{(b) (4)} verification is not performed. For instance,			
a. Batch No (b) (4) at (b) (4) step: (b) (4) which is out of the BMR range	^{(b) (4)} of ^{(b) (4)} for ^{(b) (4)} check befo	^{(b) (4)} result was	
EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE (Print or Type)	DATE ISSUED	
REVERSE OF THIS & AND Mars	Justin A. Boyd, Investigator Teresa I. Navas, Investigator	07/26/2024	
OF THIS Terms for	Richard Ledwidge, Senior Biologist Xiaoshi Wang, Staff Fellow		
FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE	NSPECTIONAL OBSERVATIONS	Page 11 of 14	

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
DISTRICT OFFICE ADDRESS AND PHONE NUMBER	DATE(S) OF INSPECTION			
12420 Parklawn Drive, Room 2032	July 15-19 and 22-26,	2024		
Rockville, MD 20857	FEI NUMBER	ana		
	3003981475			
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED				
TO: Dwight D. Hanshew, Jr., Chief Quality Officer				
FIRM NAME	STREET ADDRESS			
Biocon Biologics Limited	B1 B2 B3 Block No, Q13 Of Q1 And W20 &	Unit S18		
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED			
Bengaluru, Karnataka, 560099, India	Drug Substance and Drug Product Manufactur	rer		
accepted.				
(b) (4)	$^{(b)}(4)$ step: $^{(b)}(4)$ f $^{(b)}(4)$ $^{(b)}(4)$ $^{(b)}(4)$	was ^{(b) (4)} which is		
b. Batch No (b) (4) at out of the BMR range of (b) (4) was me	easured as $(0, 4)$ and the $(0, 4)$ esult w	vas accepted.		
was in		as accepted.		
c. Batch No (b) (4) Lot (b) at the	^{(b) (4)} step: ^{(b) (4)} of	^{(b) (4)} for		
^{(b) (4)} was which is out of the BI	AR range of ^{(b) (4)} vas me	asured as (b) (4)		
and the ^{(b) (4)} esult was accepted. However, Bate	h No $^{(b)(4)}$ Lot $^{(b)}_{(4)}$ ind Lot $^{(b)}_{(4)}$ at the	^{(b) (4)} step: ^{(b) (4)}		
$^{(b)(4)}$ of $^{(b)(4)}$ for $^{(b)(4)}$ were $^{(b)(4)}$	⁽⁴⁾ which were within the BMR range and t	the		
results were accepted without ^{(b) (4} confirmation.				
d. Batch No Lot b(4) at b(4) step: b(4) of b(4) for b(4) was b(4) (b(4) respectively, out of BMR range of b(4) was measured as (b)(4) respectively. All b(4) results were accepted.				
OBSERVATION #6				
Equipment used in the manufacture, processing, packing or holding of drug products are not maintained in a				
manner to prevent malfunctions that would alter the drug product quality.				
1. During review of BMS data for the years 2022-2024 I observed too numerous to count excursions of DP below ⁽⁴⁾ Pa. In addition, there were also too numerous to count alarms documented for excursions of temperature and humidity throughout building ⁽⁰⁾⁽⁴⁾ areas. Your firm does not evaluate numerical raw data reports for the noted parameters, instead employees only review the trend graph. In addition, although excursions of high differential pressures have caused reverse airflow from ⁽⁰⁾⁽⁴⁾ room to ⁽⁰⁾⁽⁴⁾ area in ⁽⁰⁾⁽⁴⁾ no upper limit value has been defined for alert or action limits.				
 2. On July 15, 2024, the differential pressures in the women's entry change room into grade C corridor was below the limit of ^(b)/₍₄₎Pa and the door would not close. During the walkthrough differential pressure values below the limit of NLT ^{(b)(4)}Pa were observed for instrument ID F2-AHU-15, F2-41B. 3. During review of equipment, there were at least 40 work orders opened for aseptic area equipment repairs 				
EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE (Print or Type)	DATE ISSUED		
SEE REVERSE OF THIS PAGE Xiaoshi Wang	Justin A. Boyd, Investigator Teresa I. Navas, Investigator Richard Ledwidge, Senior Biologist Xiaoshi Wang, Staff Fellow	07/26/2024		
	NSPECTIONAL OBSERVATIONS	Page 12 of 14		

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
DISTRICT OFFICE ADDRESS AND PHONE NUMBER		DATE(S) OF INSPECTION		
12420 Parklawn Drive, Room 2032 Rockville, MD 20857		July 15-19 and 22-26, 2024		
		FEI NUMBER		
		3003981475		
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED				
TO: Dwight D. Hanshew, Jr., Chief Quality Officer				
FIRM NAME	STREET ADDRESS			
Biocon Biologics Limited	B1 B2 B3 Block No, Q13 Of Q1 And W20 & Unit S18			
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED			
Bengaluru, Karnataka, 560099, India	Drug Substance and Drug Product Manufacturer			
 which extended over 100 days in the ^{(b)(4)} aseptic area. For example, work order 2000110406 for ^{(b)(4)} leakage of ^{(b)(4)} loakages of ^{(b)(4)} leak test if was opened for 130 days. 4. Equipment work orders also revealed recurring issues such as ^{(b)(4)} leak test failures. ^{(b)(4)} leakages of ^{(b)(4)} and data loss. For example, ^{(b)(4)} leak test for batch ^{(b)(4)} was repeated five times in 2022. This caused process time extension which caused that the site returned the ^{(b)(4)} leak test for batch ^{(b)(4)} was repeated five times in 2022. This caused process time extension which caused that the site returned the ^{(b)(4)} leak test for batch ^{(b)(4)} leak test for batch ^{(b)(4)} was repeated the equipment logs also showed that the ^{(b)(4)} leak tests for batch ^{(b)(4)} was repeated three times in 2023, and ^{(b)(4)} leak test for batch ^{(b)(4)} was repeated two times in 2024. 5. On July 17, 2024, there was leaking ^{(b)(4)} in the technical area near ^{(b)(4)} H1 in ^{(b)(4)} wulding. The ^{(b)(4)} was first observed at approximately 1:20pm. Upon return at approximately ^{(b)(4)} he leak was still occurring with standing ^{(b)(4)} below the ^{(b)(4)} Although there were employees working in this area, no notification had been made to maintenance personnel to address the issue. 6. Preventive maintenance records for ^{(b)(4)} do not identify the instruments used for verifying laminar flow and pressures, thus they cannot be traced to ensure that they calibrated and suitable. 				
OBSERVATION #7 Aseptic processing areas are deficient regarding the system for monitoring environmental conditions. 1. There is no non-viable particle count (NVPC) monitoring of the ^{(b)(4)} barrier where ^{(b)(4)} are opened and loaded onto the ^{(b)(4)} filling line. This area has frequent operator intervention and open ^{(b)(4)} are present in this area.				
2. The ^{(b) (4)} NVPC data associated with ^{(b) (4)} is taken outside of the barrier used to perform aseptic connections on the ^{(b) (4)} filling line.				
OBSERVATION #8				
Aseptic processing areas are deficient regarding the system for disinfecting the equipment to produce aseptic				
EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE (Print or Typ	e) DATE ISSUED		
SEE REVERSE OF THIS PAGE Xi do shi Wang	Justin A. Boyd, Investigator Teresa I. Navas, Investigator Richard Ledwidge, Senior Biologist Xiaoshi Wang, Staff Fellow	07/26/2024		
FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE	INSPECTIONAL OBSERVATIONS	Page 13 of 14		

DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION				
DISTRICT OFFICE ADDRESS AND PHONE NUMBER		DATE(S) OF INSPECTION		
12420 Parklawn Drive, Room 2032 Rockville, MD 20857		July 15-19 and 22-26, 2024		
		FEI NUMBER		
		3003981475		
Industry Information: www.fda.gov/oc/industry		5005901475		
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED				
TO: Dwight D. Hanshew, Jr., Chief Quality Officer				
Biocon Biologics Limited	B1 B2 B3 Block No, Q13 Of Q1 And W20 & Unit S18		Unit S18	
CITY, STATE AND ZIP CODE	TYPE OF ESTABLISHMENT INSPECTED			
Bengaluru, Karnataka, 560099, India		Drug Substance and Drug Product Manufacturer		
conditions.				
Review of disinfection of the aseptic filling rooms and equipment used to aseptically fill US market products noted the following:				
1. In the (b)(4) filling room the (b)(4) barriers used for (b)(4) and opening the empty (b)(4) were moved into the Grade B area of the room during floor mopping and during disinfection. When they are returned to the Grade A area, they are not disinfected in Grade A before beginning aseptic filling operations.				
2. During disinfection of the ^{(b) (4)} parrier in the ^{(b) (4)} line, an operator was observed to use the same wipe on the outer surfaces (Grade B side) and then inside (Grade A side). The cleaning procedure does not specify any order for the disinfection of surfaces. Moving between Grade B and Grade A areas with the same wiping tool was also observed during disinfection in the ^{(b) (4)} vial line.				
OBSERVATION #9				
There are no written procedures for production and process controls designed to assure that the drug products have the quality, and purity they purport or are represented to possess.				
Your firm qualifies employees who perform 100% manual visual inspection of sterile products using separate kits for particles of known sizes and other defects. The kits used to evaluate the employee's ability to detect different particles of known sizes are not representative of the visual inspection process that would be performed during batch evaluation as they do not challenge the ability of employees to identify particles among other defects.				
OBSERVATION #10				
Labeling of cGMP materials is not adequate to identify labeled material.				
On July 17, 2024, frozen sampling bags were observed in ^{(b) (4)} C freezer (QC- ^{(b) (4)} in QC testing lab ^{(b) (4)} located in Building ^{(b) (4)} These samples were ^{(b) (4)} bulk harvests reserved for adventitious agents and mycoplasma testing. The print on the labels were illegible due to low temperature storage.				
EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE	E (Print or Type)	DATE ISSUED	
SEE REVERSE OF THIS PAGE Xtaush: Wang	Justin A. Boyd, Investigator Teresa I. Navas, Investigator Richard Ledwidge, Senior B Xiaoshi Wang, Staff Fellow		07/26/2024	
FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE	INSPECTIONAL OBSERVA	TIONS	Page 14 of 14	