



TITAN BIOTECH LIMITED



AN ISO 9001:2015 CERTIFIED COMPANY

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R.O. & Works

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C.I.N. - L74999RJ1992PLC013387

Customer Care Cell: 91-11-71239900, customercare@tmmedia.in

QUALITY ASSURANCE DEPARTMENT CERTIFICATE OF ANALYSIS

CoA No.	: TBL/QC/022/08158	Date	: 12/08/2022
Product Name	: COLISTIN SELECTIVE SUPPLEMENT	Code	: TS 271
Lot No.	: 2112208		
Date of Mfg.	: Aug. 2022	Best Before	: Jul. 2023

Microorganism response:

Cultural characteristics observed after inoculating 50 - 100 CFU, on Soya Casein Digest Agar (TM 345), for incubation period of 18-26 hours at 32±35°C.

*Recovery for the growth of microorganism on Soya Casein Digest Agar (TM 345) is considered to be 100%.

Microorganisms	ATCC	*Inoculum (CFU)	Observed (CFU)	Growth	Recovery on test media (%)	Results
<i>Clostridium perfringens</i>	13124	72	60	Luxuriant	83%	Complies
<i>Escherichia coli</i>	8739	≥ 1000	0	Inhibited	0%	Complies
<i>Pseudomonas aeruginosa</i>	27853	≥ 1000	0	Inhibited	0%	Complies

For inhibitory microorganism: No growth is observed after inoculating ≥ 1000 CFU, for not less than longest incubation period (48 hours) at 35 - 37°C.

Results:Satisfactory

Information on TSE / BSE risk

This is to certify that Titan Biotech Ltd had not done product specific validation for majority of their products. Titan Biotech Ltd provides all the data that allows the customers to evaluate and minimize risk when using the products in their respective processes. We declare the bovine raw material for products was collected from bovine of Indian origin only and were procured from the Government approved slaughter houses in India. The animal was screened for contagious diseases by the Government approved Veterinarian doctor before slaughter and was slaughtered if found to be free. Parts of bovine animals which are highly contagious such as skull/vertebra/other parts are not considered as raw material, only those tissues are taken which possess least risk such as skeleton muscles/body fluid - milk/other tissues with no detected infective are taken (WHO guideline). The material is washed with hot water and cleaned in order to restrict cross contamination.

Till to date there is no case of TSE / BSE had been reported in India.

We certify the above product is having least or no risk of TSE / BSE.

Certified by:

Q.C. Incharge

Q.A. Incharge

Electronically Generated Certificate-Valid without signature.