



TITAN BIOTECH LIMITED

AN ISO 9001:2015 CERTIFIED COMPANY



Corp. Office: 903-909, 9th Floor, Bigjos Tower, Netaji Subhash Place, Delhi-110034, INDIA

R.O. & Works:

Unit-I: A-902-A, RIICO Industrial Area, Phase-III, Bhiwadi, Alwar, Rajasthan-301019, INDIA

Unit-II: E-540, Industrial Area, Chopanki, Bhiwadi, Alwar, Rajasthan-301019, INDIA

C.I.N. – L74999RJ1992PLC013387

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

QUALITY ASSURANCE DEPARTMENT

CERTIFICATE OF ANALYSIS

Name of the Product : MEAT PEPTONE
Batch No. : B1FA4IT01
Mfg. Date : Sep. - 2019
Exp. Date : Aug. - 2022

Product Code : 1504
A. R. No. : F2019090330
Date of Receipt : 27/09/2019
Date of Completion: 03/10/2019

PHYSICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	Appearance	Brownish yellow color, free flowing powder having meat characteristic odour but not pungent smell.	Complies
2.	Solubility (2% soln. at 25°C)	Soluble in Water, clear. Insoluble in alcohol.	Complies
3.	Clarity (2% Soln. at 121°C)	Clear solution. No ppt.	Complies

CHEMICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	pH (2% Soln. at 25°C)	6.5 – 7.5	6.84
2.	Loss on drying (at 105°C)	NMT – 6.0%	3.14%
3.	Total Nitrogen (DWB)	NLT – 12.0%	13.10%
4.	α -Amino Nitrogen	NLT – 3.0%	3.63%
5.	Total Ash	NMT – 10.0%	8.24%
6.	Chloride (as NaCl)	NMT – 5.0%	3.24%
7.	Indole Test	Positive	Complies

MICROBIAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	Total viable count	NMT – 10,000 cfu/gm	120 cfu/gm
2.	<i>Escherichia coli</i>	Negative	Complies
3.	<i>Salmonella spp.</i>	Negative	Complies
4.	<i>Staphylococcus aureus</i>	Negative	Complies
5.	Yeast & Moulds	NMT – 100 cfu/gm	Nil



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GROWTH PROMOTION TEST

Cultural Characteristic observed in 2% Meat Peptone and 1.5% agar after incubation at 35-37°C for 18-24 hours.

S. No.	MICROORGANISMS	ATCC	GROWTH	RESULT
1.	<i>Staphylococcus aureus</i>	25923	Good-Luxuriant	Complies
2.	<i>Escherichia coli</i>	25922	Good-Luxuriant	Complies
3.	<i>Pseudomonas aeruginosa</i>	27853	Good-Luxuriant	Complies
4.	<i>Clostridium perfringens</i>	12924	Good-Luxuriant	Complies
5.	<i>Enterococcus faecalis</i>	29212	Good-Luxuriant	Complies
6.	<i>Streptococcus pyogenes</i>	19615	Good-Luxuriant	Complies

ANALYZED BY

MICROBIOLOGIST

QA MANAGER