



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	: PEPTONE TBL	Product Code	: 1505
Batch No.	: B1FA5KU01	A. R. No.	: TB/B/201121-077
Mfg. Date	: Nov. - 2020	Date of Receipt	: 21/11/2020
Best Before	: Oct. - 2024	Date of Completion:	27/11/2020

PHYSICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	Appearance	Light yellowish to brownish yellow color, free flowing powder having characteristic odour but not pungent smell.	Complies
2.	Solubility (2% Soln. at 25°C)	Completely soluble in distilled Water, Clear.	Complies
3.	Clarity (2% Soln. at 121°C)	Absolute 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 – 5.0%	3.76%
3.	Total Nitrogen (DWB)	NLT – 13.0%	13.98%
4.	α -Amino Nitrogen	NLT – 3.5%	3.65%
5.	Total Ash	NMT – 13.0%	6.44%
6.	Chloride (as NaCl)	NMT – 5.0%	1.12%
7.	Indole Test	Positive	Complies

MICROBIAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	Total viable count	NMT – 5,000 cfu/gm	110 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 – 50 cfu/gm	Nil



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GROWTH PROMOTION TEST

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

S. No.	MICROORGANISMS	ATCC	INOCULUMS (CFU)	GROWTH	RECOVERY	RESULT
1.	<i>Staphylococcus aureus</i>	25923	50-100	Good-Luxuriant	NLT- 70%	Complies
2.	<i>Escherichia coli</i>	25922	50-100	Good Luxuriant	NLT- 70%	Complies
3.	<i>Pseudomonas aeruginosa</i>	27853	50-100	Good Luxuriant	NLT- 70%	Complies
4.	<i>Bacillus subtilis</i>	6633	50-100	Good Luxuriant	NLT- 70%	Complies
5.	<i>Salmonella typhi</i>	6539	50-100	Good Luxuriant	NLT- 70%	Complies
6.	<i>Streptococcus pyogenes</i>	19615	50-100	Good Luxuriant	NLT- 70%	Complies

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