



# 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](mailto:customercare@titanmedia.in)

## QUALITY ASSURANCE DEPARTMENT CERTIFICATE OF ANALYSIS

Name of the Product	: PEPTONE TBL	Product Code	: 1505
Batch No.	: B1FA5ES01	A. R. No.	: F2018051714
Mfg. Date	: May - 2018	Date of Receipt	: 11/05/2018
Exp. Date	: Apr. - 2022	Date of Completion:	17/05/2018

### 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	7.01
2.	Loss on drying (at 105 °C)	NMT – 5.0%	4.35%
3.	Total Nitrogen (DWB)	NLT – 13.0%	13.92%
4.	$\alpha$ -Amino Nitrogen	NLT – 3.5%	3.63%
5.	Total Ash	NMT – 13.0%	9.30%
6.	Chloride (as NaCl)	NMT – 5.0%	3.52%
7.	Indole Test	Positive	Complies

### MICROBIAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION	RESULT
1.	Total viable count	NMT – 5,000 cfu/gm	170 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

**COPY ISSUED TO: - VINHKHOI CO. LTD.**

**ANALYZED BY**

**MICROBIOLOGIST**

**QA MANAGER**