



ISO 9001:2015 CERTIFIED

**TITAN BIOTECH LIMITED**

AN ISO 9001:2015 CERTIFIED COMPANY

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

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

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

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

Ref. No.: TBL/QA/SS/MB/1519	STANDARD SPECIFICATION PEPTONE (STD) TBL POWDER (Bacteriological Grade)	Rev. No. : 02
Issue No. : 03		Review Date : 31/01/2021
Issue Date : 01/02/2018		Product Code: 1519

PHYSICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION
1.	Appearance	Light yellowish to brownish yellow colour, free flowing powder having characteristic odour but not pungent smell.
2.	Solubility (2% soln. at 25°C)	Completely soluble in distilled water, clear.
3.	Clarity (2% soln. at 121°C)	Absolute clear solution. No ppt.

CHEMICAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION
1.	pH (2% Soln. at 25 °C)	6.5 – 7.5
2.	Loss on drying (at 105 °C)	NMT – 5.0%
3.	Total Nitrogen (DWB)	NLT – 14.0%
4.	α-Amino Nitrogen	NLT – 3.5%
5.	Total Ash	NMT – 15.0%
6.	Chloride (as NaCl)	NMT – 5.0%
7.	Indole Test	Positive

MICROBIAL PARAMETERS

S. No.	PRODUCT PARAMETERS	SPECIFICATION
1.	Total viable count	NMT – 5,000 cfu/gm
2.	<i>Escherichia coli</i>	Negative
3.	<i>Salmonella spp.</i>	Negative
4.	<i>Staphylococcus aureus</i>	Negative
5.	Yeast & Moulds	NMT – 50 cfu/gm



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GROWTH PROMOTION TEST

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

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

Checked by

Approved by