

Product Data Sheet

PEPTONE (Bacteriological Grade)

Product No. GB-DCM-00100-1A

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Brownish yellow color free flowing powder having characteristic meat odour but not pungent smell.
Solubility (2% soln. at 25°C)	Soluble in distilled water, clear.
Clarity (2% Soln. at 121°C)	Clear solution. No ppt.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (2% Soln. at 25°C)	6.5 - 7.5
Loss on drying (at 105°C)	NMT - 6.0%
Total Nitrogen (DWB)	NLT - 14.0%
α-Amino Nitrogen	NLT - 2.5%
Total Ash	NMT - 12.0%
Chloride (as NaCl)	NMT - 5.0%
Indole Test	Positive

MICROBIAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Total viable count	NMT - 10,000 cfu/gm
Escherichia coli	Negative
Salmonella spp.	Negative
Staphylococcus aureus	Negative
Yeast & Moulds	NMT – 100 cfu/gm



GROWTH PROMOTION TEST

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

MICROORGANISMS	ATCC	GROWTH
Staphylococcus aureus	25923	Good - Luxuriant
Escherichia coli	25922	Good - Luxuriant
Pseudomonas aeruginosa	27853	Good - Luxuriant
Bacillus subtilis	6633	Good - Luxuriant
Salmonella typhi	6539	Good - Luxuriant
Streptococcus pyogenes	19615	Good - Luxuriant

This product is for research use only.