

## 1266 – PEPTONE (Pharma Grade)

REF NO: TBL/QA/SS/LC/1266	STANDARD SPECIFICATION FOR PEPTONE (Pharma Grade)	Rev. No: 03
Issue No: 04		Review Date: 27/10/2024
Issue Date: 28/10/2021		Product code: 1266

### PRODUCT PROPERTIES

C.A.S Number	NA
Chemical Formula	NA
Formula weight	NA
Functional Uses	It used, Bacteriological confer nutritional benefit, especially at low dilution rates, and is recommended to support good growth of wide variety of microorganisms, for identification of bacteria
Standard Packaging	500 gm. & 25 Kg

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Light yellowish to brownish yellow colour free flowing powder having characteristic odour.
Solubility (2% soln. at 25°C)	Soluble in distilled water, clear.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (2% Soln. at 25°C)	6.5 – 7.5
Loss on drying ( at 105 °C)	NMT – 5.0%
Total Nitrogen (DWB)	NLT – 14.0%
α-Amino Nitrogen	NLT – 1.5%
Total Ash	NMT – 5.0%
Chloride (as NaCl )	NMT – 4.0%
Heavy Metals (Pb)	NMT – 10 ppm
Arsenic (As)	NMT – 2 ppm
Preservative (Parabens / Sorbic acid)	Positive

### MICROBIAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Total viable count	NMT – 10,000 cfu/gm



<i>Escherichia coli</i>	Negative
<i>Salmonella spp.</i>	Negative
<i>Staphylococcus aureus</i>	Negative
Yeast & Moulds	NMT – 100 cfu/gm

#### GROWTH PROMOTION TEST

Cultural Characteristic observed in 2% Peptone 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

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.