

CM 23605 – TRYPTONE (REGULAR GRADE)

PRODUCT PROPERTIES

C.A.S Number	NA
Chemical Formula	NA
Formula weight	NA
Functional Uses	Tryptone is recommended for laboratory media and fermentation and has been used in antibiotics, toxins, and enzyme productions. It is also used as a nutrient in vaccine production.
Standard Packaging	500 gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Off white to Creamish yellow colour, free flowing powder having characteristic odour but not pungent smell.
Solubility (2% soln. at 25°C)	Soluble in distilled water, Clear. Insoluble in alcohol.
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 – 5.0%
Total Nitrogen (DWB)	NLT – 12.0%
α-Amino Nitrogen	NLT – 2.0%00
Total Ash	NMT – 10.0%
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

MICROORGANISMS	ATCC	GROWTH
Staphylococcus aureus	25923	Good-Luxuriant
Escherichia coli	25922	Good-Luxuriant
Pseudomonas aeruginosa	27853	Good-Luxuriant
Bacillus subtilis	6633	Good-Luxuriant
Enterococcus faecalis	29212	Good-Luxuriant
Streptococcus pyogenes	19615	Good-Luxuriant

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

