

4205 – SOYA PEPTONE – REGULAR GRADE

REF NO: TBL/QA/SS/LC/4205	STANDARD SPECIFICATION FOR SOYA PEPTONE – REGULAR GRADE	Rev. No: 03
Issue No: 04		Review Date: 31/10/2024
Issue Date: 01/11/2021		Product code:4205

PRODUCT PROPERTIES

C.A.S Number	91079-38-8
Chemical Formula	NA
Formula weight	NA
Functional Uses	Used for bacteriological purpose
Standard Packaging	500 gm. & 50 kg.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	Light yellowish colour free flowing powder having characteristic odour of soya.
Solubility (2% soln. at 25°C)	Soluble in distilled water, clear solution.
Clarity (2% Soln. at 121°C)	Clear solution. No ppt.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
pH (2% Soln. at 25°C)	6.0 – 7.0
Loss on drying (at 105°C)	NMT – 6.0%
Total Nitrogen (DWB)	NLT – 10.0%
α-Amino Nitrogen	NLT – 1.5%
Total Ash	NMT – 12.0%
Chloride (as NaCl)	NMT – 5.0%

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

GRWOTH PROMOTION PARAMETERS

Cultural Characteristic observed in 2% Yeast Extract Powder and 1.5% agar after incubation at 35-37°C for 18-24 hours.

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

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

