



41406

Proteose Peptone BactoBio for bacteriology

Part D

CAS : 91079-38-8

Specifications

Appearance (Form)	Free, flowing homogeneous powder
Solubility (Colour) 2% aq. solution	Light to medium amber, clear
pH (25°C)	7.0 ± 0.5 (2.0%)
Stability (After autoclaving)	Light to medium amber, clear
Loss on drying	= 5.0%
Nitrogen content (N)	12.0 - 14.0%
NaCl	5.0%
Ash	11- 20%
Total Aerobic microbial count	(By Plate Count Method) : 10,000 cfu/gm
Total Yeast and Mould count	(By Plate Count Method) : = 100 cfu/gm
Proteose test	Not more than a slight, flocculent precipitate is formed. (Passes Test)
Cultural Response	Inoculate and incubate at 37°C for 18- 24 hours with the following organisms
Organism	Staphylococcus aureus ATCC 25923
Inoculum (cfu) 10-100	Growth : Good
Organism	Streptococcus pyogenes ATCC 19615
Inoculum (cfu) 10-100	Growth : Good
Organism	Escherichia coli ATCC 25922
Inoculum (cfu) 10-100	Growth : Good
Indole Production (0.1%)	Escherichia coli ATCC 25922 Growth : Good, Result : Positive
Hydrogen Sulphide Production (1.0%)	Salmonella typhimurium ATCC 14028 Growth : Good, Result : Positive
Fermentable carbohydrates (2%)	Escherichia coli ATCC 25922 Growth : Good, Result : Negative
Acetylmethylcarbinol Production	Enterobacter aerogenes ATCC 13048 Growth : Good, Result : Positive

Other Information

Applications

Enzymatic digest of protein, high in proteoses. Used in microbiological culture media and in bacterial toxin production and also in microbiological media for bacteria requiring varying nutritional properties.

General Information

Storage	8 to 25°C (Cool & Dry Area)
Shelf Life	36 Months

IMDG Identification

Not Regulated for Transport (Non-Haz)

HSN Code

2 Kg

38210000 (GST 18%)

500 Gms

38210000 (GST 18%)

Type of Packing

2 Kg

Plastic Jar

500 Gms

Plastic Bottle

Available Packages

500 Gms

2 Kg

Disclaimer

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