



# Certificate of Analysis

<b>Product</b>	<b>41406 - Proteose Peptone BactoBio for bacteriology - [91079-38-8]</b>
<b>Batch No</b>	<b>3459927</b>
<b>Analysis Date</b>	14-Apr-2024
<b>Date of Manufacture</b>	April 2024
<b>Expiry Date/Re-Test Date</b>	April 2027

Test Parameters	Standards	Actual Results
Appearance (Form)	Free,flowing homogeneous powder	Complies
Solubility (Colour) 2% aq. solution	Light to medium amber, clear	Complies
pH (25°C)	7.0 ± 0.5 (2.0%)	7.03 Complies
Stability (After autoclaving)	Light to medium amber, clear	Complies
Loss on drying	<= 5.0%	3.30% Complies
Nitrogen (N) content	12.0 - 14.0%	Complies
NaCl	< 5.0%	Complies
Ash	< 11- 20%	Complies
Total Aerobic microbial count	(By Plate Count Method) : < 10,000 cfu/gm	Complies
Total Yeast and Mould count	(By Plate Count Method) : <= 100 cfu/gm	Complies
Proteose test	Not more than a slight, flocculent precipitate is formed. (Passes Test)	Complies
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	Complies
Organism	Streptococcus pyogenes ATCC 19615	
Inoculum (cfu) 10-100	Growth : Good	Complies
Organism	Escherichia coli ATCC 25922	
Inoculum (cfu) 10-100	Growth : Good	Complies
Indole Production (0.1%)	Escherichia coli ATCC 25922 Growth : Good, Result : Positive	Complies
Hydrogen Sulphide Production (1.0%)	Salmonella typhimurium ATCC 14028 Growth : Good, Result : Positive	Complies
Fermentable carbohydrates (2%)	Escherichia coli ATCC 25922 Growth : Good, Result : Negative	Complies
Acetylmethylcarbinol Production	Enterobacter aerogenes ATCC 13048 Growth : Good, Result : Positive	Complies