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# Certificate of Analysis

**Product** **11980 - Meat Peptone BactoBio for bacteriology**  
**Batch No** **4175465**  
**Analysis Date** 02-Sep-2023  
**Date of Manufacture** September 2023  
**Expiry Date/Re-Test Date** September 2026

Test Parameters	Standards	Actual Results
Appearance (Colour)	Light to medium tan	Complies
Appearance (Form)	Free flowing, homogeneous powder	Complies
Solubility (Colour) 2% aq. solution	Light to medium amber, clear	Complies
pH (25°C)	6.0 - 7.0 ( 2.0 %)	6.82, Complies
Stability (After autoclaving)	Light to medium amber, clear	Complies
Loss on drying	<= 5.0%	3.50%, Complies
Nitrogen (N) content	12.0 % - 13.0%	Complies
NaCl	< 5.0%	Complies
Ash	< 10.0%	Complies
Total Aerobic microbial count	(By Plate Count Method) : < 10,000 cfu/gm	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	Escherichia coli ATCC 25922	
Inoculum (cfu) 10-100	Growth : Good	Complies
Organism	Salmonella typhimurium ATCC 14028	
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

FRM/82/11/3/11980 Rev No. 1 Date 07/06/2021

Prepared by Shikha

In compliance with the standard specifications of SRL

Plant Site 1 : D-88/2, MIDC, Turbhe – 400 705, New Mumbai, India

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