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Certificate of Analysis

Product 77981 - Agar powder BactoBio for microbiology - [9002-18-0]
Batch No 6338425
Analysis Date 15-Apr-2024
Date of Manufacture April 2024
Expiry Date/Re-Test Date April 2027

Test Parameters	Standards	Actual Results
Appearance (Colour)	Off white to light beige	Complies
Appearance (Form)	Granular, free flowing powder	Complies
Solubility (Turbidity) 1.5% aq. hot solution	Clear to very slightly turbid	Complies
Solubility (Colour) 1.5% aq. hot solution	Colourless to pale yellow	Complies
Loss on drying	max. 12.0 %	8.10% Complies
Sulphated Ash	max. 3.0 %	Complies
Gel strength (1.5% gel)	min. 1000 g/cm ²	Complies
Acid insoluble ash	max. 0.5%	Complies
Starch	Passes test (As per USP 32 NF 26)	Complies
Gelatin	Passes test (As per USP 32 NF 26)	Complies
Water absorption capacity	Passes test (As per USP 32 NF 26)	Complies
Identification Test	Passes Test (As per USP 32 NF 26)	Complies
pH (25°C)	6.0 - 7.5 (1.5% after autoclaving)	7.17 Complies
Gelling temperature (1.5 %aq sol.)	38-40°C	Complies
Melting range	>=85°C	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
Cultural Response	Inoculate and incubate at 37°C for 18 - 24 hours with following organisms	
Staphylococcus Aureus ATCC 25923	Growth - Good	Complies
Escherichia coli ATCC 25922	Growth - Good	Complies
Pseudomonas Aeruginosa ATCC 27853	Growth : Good	Complies
Streptococcus Pyogenes ATCC 19615	Growth : Good	Complies

FRM/82/11/3/77981 Rev No. 2 Date 01/06/2021

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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