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Certificate of Analysis

Product 24970 - Agar powder Bacto grade - [9002-18-0]
Batch No 8744537
Analysis Date 14-Dec-2023
Date of Manufacture December 2023
Expiry Date/Re-Test Date December 2028

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off-white	Off-white
Appearance (Form)	Powder	Powder
Solubility (Turbidity) 1.5% aq. hot solution	Clear	Clear
Solubility (Colour) 1.5% aq. hot solution	Colourless to pale yellow	Pale yellow
Loss on drying	max. 15%	9.3%
Sulphated Ash	max. 3%	0.9%
Gel strength (1.5% gel)	min. 1000 gm/cm2	1500 gm/cm2
Gelling temperature (1.5 %aq sol.)	~36°C	36°C
Acid insoluble ash	max. 0.5%	0.05%
Starch	Passes test	Passes
Gelatin	Passes test	Passes
Water absorption capacity	Passes test	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Absorbance (A) of 1.5% aq. solution at ~ 50°C in a 1cm cell v/s H2O		
@430nm	max. 0.1	0.091
@530nm	max. 0.05	0.043
@655nm	max. 0.03	0.023

FRM/82/11/4/24970 Rev No. 2 Date 04/11/2023

Prepared by Dhanashree

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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