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Certificate of Analysis

Product	82453 - Modified Skim Milk Agar (Modified SM Agar)
Batch No	5757269
Analysis Date	30-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2027

Test Parameters	Standards	Actual Results
Appearance (Colour)	Cream	Complies
Appearance (Form)	Free flowing, homogeneous powder	Complies
Solubility	24.50 gm/liters	Complies
Solubility before autoclaving (Clarity)	Clear to very slightly opalescent	Complies
Gel strength (1.5% gel)	Firm, comparable with 1.5% agar gel	Complies
pH (25°C)	7.0 ± 0.2	6.89 Complies
Prepared Medium Appearance after autoclaving (Clarity)	Clear to very slightly opalescent	Complies
Prepared Medium Appearance after autoclaving (Colour)	Light to medium amber	Complies
Cultural Response	Inoculate and incubate at 30°C for 18-24 hours and also at 6.5°C, if desired.	
Organism	Escherichia coli ATCC 25922	
Inoculum (cfu) 10-100	Growth(30°C) : Good, Recovery Rate : ≥70.0% Growth(6.5°C) : Good, Recovery Rate : ≥70.0%	Complies
Organism	Bacillus subtilis ATCC 6633	
Inoculum (cfu) 10-100	Growth(30°C) : Good, Recovery Rate : ≥70.0% Growth(6.5°C) : Good, Recovery Rate : ≥70.0%	Complies
Organism	Clostridium prefrigenes ATCC 12924	
Inoculum (cfu) 10-100	Growth(30°C) : Good, Recovery Rate : ≥70.0% Growth(6.5°C) : Good, Recovery Rate : ≥70.0%	Complies
Organism	Pseudomonas aeruginosa ATCC 27853	
Inoculum (cfu) 10-100	Growth(30°C) : Good, Recovery Rate : ≥70.0% Growth(6.5°C) : Inhibited	Complies
Organism	Staphylococcus aureus ATCC 25923	
Inoculum (cfu) 10-100	Growth(30°C) : Good, Recovery Rate : ≥70.0% Growth(6.5°C) : Inhibited	Complies

FRM/82/11/3/82453 Rev No. 1 Date 06/12/2021

Prepared by Samrudhi

In compliance with the standard specifications of SRL

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