



**SISCO
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LABORATORIES
PVT. LTD.**

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Certificate of Analysis

Product **40828 - D-Mannitol Sterile (Gamma Irradiated) - [69-65-8]**
Batch No **3871329**
Analysis Date 10-Aug-2023
Date of Manufacture August 2023
Expiry Date/Re-Test Date August 2025
Molecular Formula C6H14O6
Molecular Weight 182.17

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	Complies
Appearance (Form)	Crystalline powder	Complies
Solubility (Colour) 10% aq. solution	Clear, colourless solution	Complies
Assay	98.5%	Complies
Melting Point	167 - 170%	Complies
Chloride (Cl)	Max 0.001%	Complies
Sulphate (SO4)	Max 0.01%	Complies
Iron (Fe)	Max 0.001%	Complies
Heavy Metals (Pb)	Max 0.001%	Complies
Acidity (CH3COOH)	Max 0.005%	Complies
Moisture	Max 0.5%	Complies
Reducing sugars	Max 0.1%	Complies
Sterility (Bacterial count)	No growth is observed at 35 -37 °C for bacteria and at 25°C for fungi for 14 days	Complies
Cultural Response	Inoculate and Incubate at 37°C for 18-24 hours in Phenol Red Broth Base using D-Mannitol Sterile (Gamma irradiated)	
Organism	Escherichia coli ATCC 25922	
Inoculum (cfu) 10-100	Growth : Good Mannitol reaction : + (yellow colour) Gas : +ve	Complies
Organism	Klebsiella pneumoniae ATCC 13883	
Inoculum (cfu) 10-100	Growth : Good Mannitol reaction : + (yellow colour) Gas : +ve	Complies
Organism	Proteus vulgaris ATCC 13315	

FRM/82/11/3/40828 Rev No. 1 Date 04/05/2022

Prepared by Shikha

In compliance with the standard specifications of SRL

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

608-B, Satellite Gazebo, Andheri Ghatkopar Link Road,
Chakala, Andheri (E), Mumbai - 400 099. India. ☎ +91-22-4268 5800

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Test Parameters

Standards

Actual Results

Inoculum (cfu) 10-100

Growth : Good
Mannitol reaction : (-ve) (no yellow
colour)
Gas : (-ve)

Complies

Organism

Salmonella typhimurium ATCC 14028

Inoculum (cfu) 10-100

Growth : Good
Mannitol reaction : + (yellow colour)
Gas : (-ve)

Complies

FRM/82/11/3/40828 Rev No. 1 Date 04/05/2022

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