



**SISCO  
RESEARCH  
LABORATORIES  
PVT. LTD.**

[www.srlchem.com](http://www.srlchem.com)

## Certificate of Analysis

<b>Product</b>	<b>58476 - D-Mannose for tissue culture, 99% - [3458-28-4]</b>
<b>Batch No</b>	<b>1034705</b>
<b>Analysis Date</b>	31-Jul-2023
<b>Date of Manufacture</b>	July 2023
<b>Expiry Date/Re-Test Date</b>	July 2028
<b>Molecular Formula</b>	C6H12O6
<b>Molecular Weight</b>	180.16

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline hygroscopic powder	Crystalline hygroscopic powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay	min. 99%	99.6%
Specific rotation $[\alpha]$	+13.3° to +14.3° (C=10, water)	+14.253°
Sulphated Ash	max. 0.1%	0.08%
Chloride (Cl)	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Sulphate (SO <sub>4</sub> )	max. 0.005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Water (KF)	max. 0.5%	0.2%
Homogeneity by TLC	Passes test	Passes
Suitability for Tissue Culture	Passes	Passes

FRM/82/11/4/58476 Rev No. 2 Date 12/01/2023

Prepared by Pradnya

In compliance with the standard specifications of SRL

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

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

1/1

[an ISO 9001-2015, 17025:2017, CE, GMP Certified Company](#)

This COA has been generated electronically and it is valid without signature.