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Certificate of Analysis

Product	43421 - 2-Deoxy-D-Glucose (2-DG) extrapure AR, 99.9% - [154-17-6]
Batch No	7613968
Analysis Date	05-Dec-2022
Date of Manufacture	December 2022
Expiry Date/Re-Test Date	December 2027
Molecular Formula	C6H12O5
Molecular Weight	164.16

Test Parameters	Standards	Actual Results
Appearance (Colour)	White to off - white	White
Appearance (Form)	Powder	Powder
Solubility (Turbidity) 3.3% aq. solution	Clear	Clear
Solubility (Colour) 3.3% aq. solution	Colourless to slight yellow	Very slight yellow
Assay (HPLC)	min. 99.9%	99.93%
Melting Point	146 - 149°C	149°C
Specific rotation $[\alpha]$	+45° to +47° [C = 5,H ₂ O]	+45.6°
Sulphated Ash	max. 0.1%	0.07%
Iron (Fe)	max. 0.0005%	Passes
Lead (Pb)	max. 0.001%	Passes
Water (KF)	max. 0.5%	0.4%

FRM/82/11/4/43421 Rev No. 4 Date 01/07/2021

Prepared by PPatil

In compliance with the standard specifications of SRL

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

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