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## Certificate of Analysis

<b>Product</b>	<b>16191 - Dextrose Monohydrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5% - [14431-43-7]</b>
<b>Batch No</b>	<b>6580017</b>
<b>Analysis Date</b>	28-Mar-2024
<b>Date of Manufacture</b>	March 2024
<b>Expiry Date/Re-Test Date</b>	March 2029
<b>Molecular Formula</b>	C6H12O6.H2O
<b>Molecular Weight</b>	198.17

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP	Passes
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (HPLC)	min.99.5%	99.81%
pH (10% aq. solution)	min. 5.0	6.1
Specific rotation $[\alpha]$	+52.5° to +53.0° (C=10,water)	+52.516°
Sulphated Ash	0.1%	0.02%
Acidity	0.002 meq/g	0.0007 meq/g
Chloride (Cl)	0.0025%	Passes
Iron (Fe)	0.001%	Passes
Heavy Metals (Pb)	0.001%	Passes
Sulphate (SO <sub>4</sub> )	0.005%	Passes

FRM/82/11/4/16191 Rev No. 3 Date 05/06/2022

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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