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Certificate of Analysis

Product	40704 - L-Ascorbic Acid extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.7% - [50-81-7]
Batch No	3845644
Analysis Date	26-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	C6H8O6
Molecular Weight	176.13

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of 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 (T)	min. 99.7%	99.8%
Melting Point (Decomposition)	190 - 192°C	191.8°C
pH (5% aq. solution)	2.2 - 2.5	2.4
Specific rotation $[\alpha]$	+20.5° to +21.5° (C=10, Water)	+20.887°
Loss on drying	max. 0.1%	0.03%
Sulphated Ash	max. 0.1%	0.05%
Chloride (Cl)	max. 0.005%	Passes
Sulphate (SO ₄)	max. 0.002%	Passes
Iron (Fe)	max. 0.0002%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes

FRM/82/11/4/40704 Rev No. 2 Date 03/07/2022

Prepared by Prasad

In compliance with the standard specifications of SRL

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

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