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Certificate of Analysis

Product	88181 - Lithium Sulphate Monohydrate extrapure AR, 99% - [10102-25-7]
Batch No	7641655
Analysis Date	04-May-2024
Date of Manufacture	May 2024
Expiry Date/Re-Test Date	May 2029
Molecular Formula	Li2SO4.H2O
Molecular Weight	127.96

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline compound	Crystalline compound
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (Ion exchange)	min. 99% (dried basis)	99.7%
Water Insoluble matter	max. 0.01%	0.004%
pH (5% aq. solution)	5.0 - 8.0	5.34
Loss on drying at 105°C	13.0 - 15.0 %	14.7%
Chloride (Cl)	max. 0.002%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Nitrate (NO3)	max. 0.001%	Passes
Potassium (K)	max. 0.05%	Passes
Sodium (Na)	max. 0.05%	Passes

FRM/82/11/4/88181 Rev No. 3 Date 23/04/2024

Prepared by Vivek

In compliance with the standard specifications of SRL

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

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

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