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Certificate of Analysis

Product	39478 - Lithium Sulphate Monohydrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99% - [10102-25-7]
Batch No	9560105
Analysis Date	04-May-2024
Date of Manufacture	May 2024
Expiry Date/Re-Test Date	May 2029
Molecular Formula	Li ₂ SO ₄ .H ₂ O
Molecular Weight	127.96

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP, Ph.Eur	Passes
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%	99.7%
pH (5% aq. solution)	5.0 - 8.0	5.34
Water Insoluble matter	max. 0.005%	0.004%
Chloride (Cl)	max. 0.001%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Copper (Cu)	max. 0.0005%	Passes
Acidity (H ₂ SO ₄)	max. 0.002%	0.001%
Alkalinity	max. 0.05ml N%	0.01ml N%
Nitrate (NO ₃)	max. 0.002%	Passes
Calcium (Ca)	max. 0.005%	Passes
Potassium (K)	max. 0.01%	Passes
Sodium (Na)	max. 0.01%	Passes

FRM/82/11/4/39478 Rev No. 2 Date 28/11/2022

Prepared by Vivek

In compliance with the standard specifications of SRL

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

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