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Certificate of Analysis

Product **82712 - Lithium Nitrate (High Purity) extrapure AR, 99.5% - [7790-69-4]**
Batch No **5421351**
Analysis Date 22-Jan-2024
Date of Manufacture January 2024
Expiry Date/Re-Test Date January 2029
Molecular Formula LiNO₃
Molecular Weight 68.95

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline hygroscopic powder	Crystalline hygroscopic powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (Ion exchange)	min. 99.5%	99.9%
pH (10% aq. solution)	5.0 - 8.0	5.62
Chloride (Cl)	max. 0.005%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0002%	Passes
Copper (Cu)	max. 0.0001%	Passes
Ammonium (NH ₄)	max. 0.0002%	Passes
Potassium (K)	max. 0.001%	Passes
Sodium (Na)	max. 0.005%	Passes
Phosphate (PO ₄)	max. 0.0002%	Passes

FRM/82/11/4/82712 Rev No. 2 Date 12/10/2022

Prepared by Amruta

In compliance with the standard specifications of SRL

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

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