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Certificate of Analysis

Product	17864 - Lithium Nitrate (High Purity) extrapure AR, ExiPlus, Multi-Compendial, 99.5% - [7790-69-4]
Batch No	1778256
Analysis Date	20-Jan-2024
Date of Manufacture	January 2024
Expiry Date/Re-Test Date	January 2029
Molecular Formula	LiNO ₃
Molecular Weight	68.95

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP	Passes
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%	99.7%
pH (5% aq. solution)	5.0 - 8.0	7.47
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/82/11/4/17864 Rev No. 2 Date 12/10/2022

Prepared by **Prajakta**

In compliance with the standard specifications of SRL

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

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