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Certificate of Analysis

Product	74884 - Lithium Carbonate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99% - [554-13-2]
Batch No	6852021
Analysis Date	23-Apr-2024
Date of Manufacture	April 2024
Expiry Date/Re-Test Date	April 2029
Molecular Formula	Li ₂ CO ₃
Molecular Weight	73.89

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP, Ph.Eur	Passes
Appearance (Colour)	White	White
Appearance (Form)	Amorphous powder	Amorphous powder
Solubility (Turbidity) 10% solution 5N HCl	Clear	Clear
Solubility (Colour) 10% solution in hot 5N HCl	Colourless	Colourless
Assay (NaOH titration)	min. 99.0%	99.4%
Loss on drying	max. 0.1%	0.06%
Insoluble matter	max. 0.01%	0.008%
Chloride (Cl)	max. 0.002%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Ammonium (NH ₄)	max. 0.001%	Passes
Arsenic (As)	max. 0.00005%	Passes
Nitrate (NO ₃)	max. 0.001%	Passes
Phosphate (P)	max. 0.002%	Passes
Calcium (Ca)	max. 0.005%	Passes
Magnesium (Mg)	max. 0.001%	Passes
Potassium (K)	max. 0.005%	Passes
Sodium (Na)	max. 0.005%	Passes

FRM/82/11/4/74884 Rev No. 2 Date 27/02/2023

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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