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# Certificate of Analysis

**Product** 19558 - Lithium Carbonate extrapure AR, 99% -  
[554-13-2]  
**Batch No** 1047723  
**Analysis Date** 29-Apr-2024  
**Date of Manufacture** April 2024  
**Expiry Date/Re-Test Date** April 2029  
**Molecular Formula** Li<sub>2</sub>CO<sub>3</sub>  
**Molecular Weight** 73.89

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Amorphous powder	Amorphous powder
Solubility (Turbidity) 10% solution 5N HCl	Clear	Clear
Solubility (Colour) 10% solution 5N HCl	Colourless	Colourless
Assay (NaOH titration)	min. 99.0%	99.7%
Loss on drying	max. 0.1%	0.03%
Chloride (Cl)	max. 0.002%	Passes
Sulphate (SO <sub>4</sub> )	max. 0.005%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Ammonium (NH <sub>4</sub> )	max. 0.001%	Passes
Arsenic (As)	max. 0.00005%	Passes
Nitrate (NO <sub>3</sub> )	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/82/11/4/19558 Rev No. 2 Date 27/02/2023

Prepared by Dhanashree

In compliance with the standard specifications of SRL

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

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