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Certificate of Analysis

Product	37683 - Calcium Carbonate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5% - [471-34-1]
Batch No	2888649
Analysis Date	24-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029
Molecular Formula	CaCO ₃
Molecular Weight	100.09

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP	Passes
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. 99.5%	99.5%
Loss on drying	max. 2%	0.1%
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Copper (Cu)	max. 0.005%	Passes
Acid insoluble matter	max. 0.005%	0.003%
Sodium (Na)	max. 0.01%	Passes
Potassium (K)	max. 0.005%	Passes
Nitrogen Compounds (N)	max. 0.1%	Passes
Fluoride (F)	max. 0.0015%	Passes
Ammonium (NH ₄)	max. 0.003%	Passes
Barium (Ba)	max. 0.01%	Passes
Magnesium (Mg)	max. 0.02%	Passes
Strontium (Sr)	max. 0.1%	Passes
Arsenic (As)	max. 0.0004%	Passes

FRM/82/11/4/37683 Rev No. 2 Date 05/06/2022

Prepared by Priti

In compliance with the standard specifications of SRL

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

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