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Certificate of Analysis

Product	83342 - Potassium Carbonate anhydrous extrapure AR, ACS, ExiPlus, Multi-Compendial, 99.5% - [584-08-7]
Batch No	3321096
Analysis Date	27-Apr-2024
Date of Manufacture	April 2024
Expiry Date/Re-Test Date	April 2029
Molecular Formula	K ₂ CO ₃
Molecular Weight	138.21

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP	Passes
Appearance (Colour)	White	White
Appearance (Form)	Hygroscopic powder	Hygroscopic powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (HCl titration)	min. 99.5%	99.7%
Insoluble matter	max. 0.01%	0.002%
Loss on drying	max. 1%	0.3%
Chloride (Cl)	max. 0.003%	Passes
Sulphate (SO ₄)	max. 0.004%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Phosphate (PO ₄)	max. 0.001%	Passes
Silicate (SiO ₂)	max. 0.005%	Passes
Magnesium (Mg)	max. 0.002%	Passes
Nitrate (NO ₃)	max. 0.01%	Passes
Calcium (Ca)	max. 0.005%	Passes
Sodium (Na)	max. 0.02%	Passes

FRM/82/11/4/83342 Rev No. 3 Date 11/07/2022

Prepared by **ThakurRohit**

In compliance with the standard specifications of SRL

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

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