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Certificate of Analysis

Product	57674 - Potassium Bicarbonate AR, ACS, ExiPlus, Multi-Compendial, 99.5% - [298-14-6]
Batch No	8698022
Analysis Date	11-Mar-2024
Date of Manufacture	March 2024
Expiry Date/Re-Test Date	March 2029
Molecular Formula	KHCO ₃
Molecular Weight	100.12

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP	Passes
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% hot aq. solution	Clear	Clear
Solubility (Colour) 10% hot aq. solution	Colourless	Colourless
Assay (HCl titration)	min. 99.5%	99.8%
Insoluble matter	max. 0.003%	0.001%
pH (1% aq. solution)	8.1 - 8.4	8.4
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO ₄)	max. 0.003%	Passes
Iron (Fe)	max. 0.0002%	Passes
Ammonium (NH ₄)	max. 0.0005%	Passes
Phosphate (PO ₄)	max. 0.0005%	Passes
Nitrogen Compounds (N)	max. 0.001%	Passes
Silicate (SiO ₂)	max. 0.001%	Passes
Calcium (Ca)	max. 0.002%	Passes
Copper (Cu)	max. 0.0001%	Passes
Heavy Metals (Pb)	max. 0.0001%	Passes
Magnesium (Mg)	max. 0.001%	Passes
Sodium (Na)	max. 0.5%	Passes

FRM/82/11/4/57674 Rev No. 2 Date 15/05/2023

Prepared by **Prasad**

In compliance with the standard specifications of SRL

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

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