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Certificate of Analysis

Product **50016 - Potassium Chloride ACS, ExiPlus,
Multi-Compendial, 99.5% - [7447-40-7]**

Batch No **2416126**
Analysis Date 16-May-2024
Date of Manufacture May 2024
Expiry Date/Re-Test Date May 2029
Molecular Formula KCl
Molecular Weight 74.55

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of BP, Ph.Eur, USP	Passes
Appearance (Colour)	White or almost white	White
Appearance (Form)	Crystalline Powder or crystals	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless to pale yellow	Colourless
Assay (AT)	min. 99.5%	99.7%
pH (5% aq. solution)	5.4 - 8.6	5.6
Loss on drying at 105°C	max. 1.0%	0.17%
Insoluble matter	max. 0.005%	0.001%
Sulphate (SO ₄)	max. 0.001%	Passes
Iron (Fe)	max. 0.0003%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Phosphate (PO ₄)	max. 0.0005%	Passes
Bromide (Br)	max. 0.01%	Passes
Chlorate & Nitrate (NO ₃)	max .0.003%	Passes
Iodide (I)	max. 0.002%	Passes
Sodium (Na)	max. 0.005%	Passes
Barium (Ba)	Passes test	Passes
Calcium (Ca)	max. 0.002%	Passes
Magnesium (Mg)	max .0.001%	Passes
Acidity or alkalinity	NMT 0.5ml	Passes
Arsenic (As)	max. 0.0001%	Passes
Aluminium (Al)	max. 0.0001%	Passes

FRM/82/11/4/50016 Rev No. 4 Date 18/04/2024

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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