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Certificate of Analysis

Product	84984 - Potassium Chloride for molecular biology, 99.5% - [7447-40-7]
Batch No	5841435
Analysis Date	28-Nov-2022
Date of Manufacture	November 2022
Expiry Date/Re-Test Date	November 2027
Molecular Formula	KCl
Molecular Weight	74.55

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (AT)	min. 99.5%	99.6%
pH (5% aq. solution)	5.0 - 8.0	5.39
Loss on drying	max. 0.2%	0.17%
Sulphate (SO ₄)	max. 0.001%	Passes
Iron (Fe)	max. 0.0002%	Passes
Heavy Metals (Pb)	max.0.0005%	Passes
Iodide (I)	max. 0.002%	Passes
Absorbance (A) of 0.5M aq. solution in a 1cm cell v/s H ₂ O		
@260nm	max. 0.01	0.002
@280nm	max. 0.01	0.002
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/84984 Rev No. 3 Date 05/07/2022

Prepared by Amruta

In compliance with the standard specifications of SRL

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

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