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Certificate of Analysis

Product	54358 - Potassium Dihydrogen Orthophosphate for molecular biology, 99.5% - [7778-77-0]
Batch No	9908652
Analysis Date	16-Jun-2024
Date of Manufacture	June 2024
Expiry Date/Re-Test Date	June 2029
Molecular Formula	KH ₂ PO ₄
Molecular Weight	136.09

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 (by Neutralization)	min. 99.5%	99.8%
pH (5% aq. solution)	4.1 - 4.5	4.25
Loss on drying	max. 0.05%	0.04%
Chloride (Cl)	max. 0.0005%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Iron (Fe)	max. 0.002%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Nitrogen Compounds (N)	max. 0.002%	Passes
Copper (Cu)	max. 0.0005%	Passes
Sodium (Na)	max. 0.01%	Passes
Absorbance (A) of 1M aq. solution in a 1cm cell v/s H ₂ O		
@260nm	max. 0.046	0.028
@280nm	max. 0.040	0.025
DNase, RNase, Protease	Not detected	Not detected

FRM/82/11/4/54358 Rev No. 4 Date 05/07/2022

Prepared by Jayesh

In compliance with the standard specifications of SRL

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

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