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Certificate of Analysis

Product	30955 - Potassium Dihydrogen Orthophosphate for HPLC & UV Spectroscopy, 99.5% - [7778-77-0]
Batch No	1093062
Analysis Date	04-Jul-2024
Date of Manufacture	July 2024
Expiry Date/Re-Test Date	July 2029
Molecular Formula	KH ₂ PO ₄
Molecular Weight	136.1

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%	99.5%
pH (5% aq. solution)	4.1 - 4.5	4.46
Loss on drying	max. 0.05%	0.02%
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	0.002
@280nm	max. 0.040	0.001

FRM/82/11/4/30955 Rev No. 2 Date 05/07/2022

Prepared by Priti

In compliance with the standard specifications of SRL

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

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