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Certificate of Analysis

Product	49017 - Potassium Hydrogen Phthalate for HPLC & UV Spectroscopy, 99.9% - [877-24-7]
Batch No	3101623
Analysis Date	31-Dec-2023
Date of Manufacture	December 2023
Expiry Date/Re-Test Date	December 2028
Molecular Formula	C5H8KO4
Molecular Weight	204.22

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	Colorless	Colorless
pH (5% aq. solution)	4.0 - 4.02	4.01
Assay (by Neutralization)	min. 99.9%	99.9%
Insoluble matter	max. 0.005%	0.004%
Loss on drying	max. 0.05%	0.01%
Chloride (Cl)	max. 0.002%	Passes
Sulphate (SO4)	max. 0.005%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Sulphur Compound (S)	max. 0.002%	Passes
Phthalic acid	max. 0.005%	Passes
Sodium (Na)	max. 0.005%	Passes
Absorbance (A) of 10% aq. solution in a 1cm cell v/s H2O		
@330nm	max.0.05	0.022
@340nm	max.0.03	0.012
@350nm	max.0.02	0.010
@500nm	max.0.02	0.004

FRM/82/11/4/49017 Rev No. 2 Date 06/07/2022

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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