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Certificate of Analysis

Product	57419 - Potassium Phosphate Dibasic Anhydrous for tissue culture, 99% - [7758-11-4]
Batch No	3088072
Analysis Date	27-Feb-2024
Date of Manufacture	February 2024
Expiry Date/Re-Test Date	February 2029
Molecular Formula	K ₂ HPO ₄
Molecular Weight	174.18

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline hygroscopic powder	Crystalline hygroscopic powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (by Neutralization)	min. 99%	99.7%
pH (5% aq. solution)	8.5 - 9.6	9.5
Loss on drying	max. 1%	0.2%
Chloride (Cl)	max. 0.001%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Sulphate (SO ₄)	max. 0.005%	Passes
Copper (Cu)	max. 0.0005%	Passes
Sodium (Na)	max. 0.05%	Passes
Nitrogen Compounds (N)	max. 0.001%	Passes
Suitability for Tissue Culture	Passes	Passes

FRM/82/11/4/57419 Rev No. 4 Date 26/07/2022

Prepared by **ThakurRohit**

In compliance with the standard specifications of SRL

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

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