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## Certificate of Analysis

<b>Product</b>	<b>41295 - Potassium Phosphate Dibasic Anhydrous for HPLC, 99.5% - [7758-11-4]</b>
<b>Batch No</b>	<b>8584448</b>
<b>Analysis Date</b>	27-Feb-2024
<b>Date of Manufacture</b>	February 2024
<b>Expiry Date/Re-Test Date</b>	February 2029
<b>Molecular Formula</b>	K <sub>2</sub> HPO <sub>4</sub>
<b>Molecular Weight</b>	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. 99.5%	99.7%
pH (5% aq. solution)	8.5 - 9.6	9.5
Loss on drying	max. 1%	0.15%
Chloride (Cl)	max. 0.001%	Passes
Sulphate (SO <sub>4</sub> )	max. 0.005%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.0005%	Passes
Copper (Cu)	max. 0.0005%	Passes
Sodium (Na)	max. 0.05%	Passes
Nitrogen Compounds (N)	max. 0.001%	Passes
Absorbance (A) of 10% aq. solution in a 1cm cell v/s H <sub>2</sub> O		
@230nm	max. 0.1	0.018
@240nm	max. 0.06	0.027
@250 nm	max. 0.04	0.029
@310nm	max. 0.02	0.015
@500nm	max. 0.02	0.002

FRM/82/11/4/41295 Rev No. 5 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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