



**ChemPure\* Brand  
Chemicals**

January 14, 2021

## CERIFICATE OF ANALYSIS

...Pure Quality

### Potassium Phosphate Monobasic, Anhydrous

Meets analytical specification of ACS, USP-NF/FCC

Cat. No. CP-A2010D  
CAS No. 7778-77-0  
M.F.  $\text{H}_2\text{KO}_4\text{P}$   
M.WT. 136.09 g/mol  
EC No. 231-913-4  
MDL No. MFCD00011401

Lot No. 1222002CP  
Manufactured Date: August 27, 2020  
Retest Date: August 26, 2025

Test Parameter	Specification	Units	Result
Assay (calc. to the dried substance) <sup>1,2,3</sup>	98.0-100.5	%	99.85%
Loss on drying (LOD) <sup>2,3</sup>	max. 0.2	%	0.08 %
Insoluble Matter <sup>1,2,3</sup>	max. 0.01	%	0.003 %
Solubility (5% in H <sub>2</sub> O)	Conforms		Clear & Colorless
pH (5 %, 20°C) <sup>1</sup>	4.1-4.5		4.42
Arsenic (As) <sup>2,3</sup>	max. 3	ppm	<2 ppm
Identification; Potassium Phosphate <sup>2,3</sup>	Conforms		Conforms
Appearance of the Solution <sup>1</sup>	White Crystalline Powder		Conforms
Iron (Fe) <sup>1</sup>	max. 10	ppm	<0.002 ppm
Residual Solvents	Conforms		Conforms
Sodium (Na) <sup>1</sup>	max. 0.1	%	0.0037 %
Lead (Pb) <sup>2,3</sup>	max. 2	ppm	1.2 ppm
Heavy Metals (as Pb) <sup>1,2</sup>	max. 0.001	%	0.001 %
Chloride (Cl) <sup>1</sup>	max. 0.001	%	0.001 %
Fluoride(F) <sup>2,3</sup>	max. 10 ppm		<10 ppm
Sulfate (SO <sub>4</sub> ) <sup>1</sup>	max. 0.003	%	0.003 %

This lot meets the specifications for ACS<sup>1</sup>, USP-NF<sup>2</sup>, and FCC<sup>3</sup>

For research or further manufacturing. Not for drug, clinical or a food use in humans or animals.

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It is certified that the above copy is a true copy of the actual lot analysis from the manufacturer.

Vyto Mekesa, QC Director

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