



Certificate of Analysis

Potassium Phosphate Monobasic Anhydrous ACS-NF/FCC

Catalog Number: PP1010
Lot Number: 1206901
CAS Number: 7778-77-0
Synonym(s): Monopotassium phosphate, Potassium dihydrogen phosphate, prim.-Potassium phosphate
Molecular Formula: KH_2PO_4
Molecular Weight: 136.10
Storage: 15°C – 30°C
Date of Manufacture: April 16, 2019
Retest Date: April 15, 2024

Test	Specification	Result
Appearance ¹	White crystalline powder	Conforms
Assay ^{1,2,3}	98.0 – 100.5%	99.82%
Identification ^{2,3}		
Potassium	To meet requirements	Conforms
Phosphate	To meet requirements	Conforms
Solubility (5% in H ₂ O)	Report	Clear & colorless
pH (5% in H ₂ O) ¹	4.1 – 4.5	4.37
Moisture (LOD) ^{2,3}	≤ 0.2%	0.047%
Insoluble Matter ^{1,2,3}	≤ 0.01%	0.004%
Chloride ¹	≤ 0.001%	< 0.001%
Sulfate ¹	≤ 0.003%	< 0.003%
Heavy Metals ^{1,2}	≤ 0.001%	< 0.001%
Arsenic ^{2,3}	≤ 3mg/kg	< 3mg/kg
Iron ¹	≤ 0.002%	< 0.002%
Fluoride ^{2,3}	≤ 10mg/kg	< 10mg/kg
Lead ^{2,3}	≤ 2mg/kg	1.2mg/kg
Sodium ¹	≤ 0.005%	0.0019%
Residual Solvents: Water was the only solvent used during production of the product.		

Approved by:

John Grubb, PhD
Gojira Fine Chemicals, LLC
Quality Manager

Date: December 6, 2019



Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
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