



Specification

Potassium Phosphate Monobasic Anhydrous ACS/USP-NF/FCC

Catalog Number:	PP1004
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
Retest Period:	Five years from date of manufacture.

Test	Specification
Appearance ^{1,2,3}	White crystalline powder
Assay ^{1,2,3}	99.0 – 100.5%
Identification ^{1,2,3} Potassium Phosphate	To meet requirements To meet requirements
Solubility (5% in H ₂ O) ^{2,3}	Report
pH (5% in H ₂ O) ¹	4.1 – 4.5
Moisture (LOD) ^{1,2,3}	≤ 0.2%
Insoluble Matter ^{1,2,3}	≤ 0.01%
Chloride ¹	≤ 0.001%
Sulfate ¹	≤ 0.003%
Heavy Metals ^{1,2}	≤ 10ppm
Arsenic ^{2,3}	≤ 3ppm
Iron ¹	≤ 20ppm
Fluoride ^{2,3}	≤ 10ppm
Lead ^{2,3}	≤ 2ppm
Sodium ¹	≤ 0.005%
Residual Solvents: Water was the only solvent used during production of the product.	

¹ Meets ACS11 specifications.

² Meets USP40-NF15 specifications.

³ Meets FCC10 specifications.

Approved:

John Grubb, PhD
Gojira Fine Chemicals
Quality Manager

Date: January 8, 2018



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