



## Specification

### Potassium Phosphate Monobasic Anhydrous ACS/USP/NF/FCC

<b>Catalog Number:</b>	PP1010
<b>CAS Number:</b>	7778-77-0
<b>Synonym(s):</b>	Monopotassium phosphate, Potassium dihydrogen phosphate, prim.-Potassium phosphate
<b>Molecular Formula:</b>	$\text{KH}_2\text{PO}_4$
<b>Molecular Weight:</b>	136.10
<b>Storage:</b>	15°C – 30°C
<b>Retest Period:</b>	Five years from the date of manufacture

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

Approved:

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