

**Product Name:** Potassium dihydrogen phosphate, ACS, 99.0% min, Thermo Scientific Chemicals  
**Catalog Number:** 011594.30

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**CAS Number:** 7778-77-0  
**IUPAC Name:** potassium dihydrogen phosphate  
**Molecular Formula:** H<sub>2</sub>KO<sub>4</sub>P  
**Molecular Weight:** 136.08  
**MDL Number:** MFCD00011401 MFCD00147253  
**InChI Key:** GNSKLFRGEWLPPA-UHFFFAOYSA-M  
**SMILES:** [K+].OP(O)([O-])=O  
**Synonym:** potassium phosphatelmonopotassium phosphatelpotassium phosphate  
 monobasiclpotassium acid phosphatelmonopotassium orthophosphatelmonopotassium  
 monophosphatelMKPIsorensen's potassium phosphatelmonobasic potassium  
 phosphatelphosphoric acid, monopotassium salt

## Product Specification

**Impurity content:** Fe 0.002%  
**Impurity content:** Na 0.005%  
**Assay (unspecified):** 99.0% KH<sub>2</sub>PO<sub>4</sub> min  
**Heavy Metals:** (ICP-OES) 0.001%  
**Impurity content:** SO<sub>4</sub> 0.003%  
**Insoluble material:** 0.01%  
**Loss on Drying:** at 105? 0.2%  
**pH:** of a 5% solution 4.1-4.5 at 25?  
**Impurity content:** Cl 0.001%

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**Date Of Print:** 05/12/2024

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*