

**Product Name:** Potassium dihydrogen phosphate, 98+%, Thermo Scientific Chemicals

**Catalog Number:** A12142.0E

**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

**Appearance (Color):** White

**Form:** Crystals or powder or crystalline powder

**Water Content (Karl Fischer Titration):** ≤1.0%

**Assay (Aqueous acid-base Titration):** ≥98.0% to ≤102.0%

**Solution Test:** 10% in water: clear

**Identification (FTIR):** Conforms

**Date Of Print:** 05/15/2024

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