



# Product Specification

## Product Name: POTASSIUM DIHYDROGEN ORTHOPHOSPHATE Anhydrous LR

Alternate Name(s) MKP; potassium dihydrogen phosphate; monopotassium dihydrogen phosphate; potassium acid phosphate; potassium phosphate, monobasic.  
Description  
White or colourless crystals.

### Properties

Chemical Formula:  $\text{KH}_2\text{PO}_4$   
Molecular Weight: 136.09

Product Code: PL009

CAS No.: 7778-77-0

### General Information:

Insoluble in alcohol. Mildly corrosive to steel and aluminium. Incompatible with strong bases. Non combustible material. May be harmful by ingestion, inhalation and skin contact.

### Hazard and Safety Data

UN Group: None Allocated  
Class: None Allocated  
UN Number: None Allocated  
Hazchem code: None Allocated  
CS MSDS Code: 1CH5B  
Poison schedule: Not Scheduled  
Emergency  
Procedure Guide No.: N/A

### Quality Specification

Assay: 99.0% min.

### Specific Properties and Impurities [Typical levels]:

Specific Gravity	2.338
pH value (1% solution)	4.3 - 4.8
Moisture	0.2%
Water insolubles	0.1%
Arsenic (As)	0.008%
Cadmium (Cd)	0.0005%
Chloride (Cl)	0.2%
Lead (Pb)	0.003%

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