



# Product Specification

## Product Name: POTASSIUM HYDROGEN PHTHALATE AR

Alternate Name(s) Potassium Acid Phthalate, Potassium Biphthalate; Phthalic Acid

Description Monopotassium salt

Colourless to white odourless crystals.

### Properties

Chemical Formula:  $\text{HOCOC}_6\text{H}_4\text{COOK}$

Molecular Weight: 204.22

Product Code: PA023

CAS No.: 877-24-7

### General Information:

Commonly used as acidimetric standard. Compound is combustible. May burn but does not ignite readily.

### Hazard and Safety Data

UN Group: None Allocated

Class: None Allocated

UN Number: None Allocated

Hazchem code: None Allocated

CS MSDS Code: 1CH5E

Poison schedule: Not Scheduled

Emergency

Procedure Guide No.: N/A

### Quality Specification

Assay: 99.8-100.2%

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

Water solubility @ 20°C	80 g/l
Melting Point	295° - 300°C
Specific Gravity	1.636
pH of 0.05M solution @ 25°C	4.00 - 4.02
Insoluble matter	0.005%
Chlorine compounds (as Cl)	0.003%
Sulfur compounds (as S)	0.002%
Heavy metals (as Pb)	0.0005%
Iron (Fe)	0.0005%
Sodium (Na)	0.005%

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