



Product Specification

Product Name: POTASSIUM SULFATE AR

Alternate Name(s) Sal polychrestum; sulfuric acid, potassium salt; sufuric acid, dipotassium salt.
Description
Colourless or white hard crystals or powder; bitter saline taste.

Properties

Chemical Formula: K_2SO_4
Molecular Weight: 174.26

Product Code: PA026
CAS No. 7778-80-5

General Information:

Slightly soluble in glycerol. Insoluble in alcohol. Incompatible with strong oxidizing agents, aluminium and magnesium. Non combustible material.

Quality Specification

Assay: 99.0% min.

Specific Properties and Impurities [Typical levels]:

Solubility in Water	110 g/L (20 °C)
Specific Gravity	2.66
Boiling Point	1689 °C
Melting Point	1072 °C
pH of 5% solution at 25°C	5.5-8.5
Insoluble matter	≤ 0.01%
Chloride	≤ 0.001%
Nitrogen compounds (as N)	≤ 0.0005%
Heavy metals (as Pb)	≤ 0.0005%
Iron	≤ 0.0005%
Calcium	≤ 0.01%
Magnesium	≤ 0.005%
Sodium	≤ 0.02%

Hazard and Safety Data

UN Group: None Allocated
Class: None Allocated
UN Number: None Allocated
Hazchem code: None Allocated
CS MSDS Code: 1CH5O
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: N/A

Not classified as hazardous according to the criteria of ASCC.

CONFORMS TO ACS

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