



Product Specification

Product Name: ALUMINIUM POTASSIUM SULFATE Dodecahydrate AR

Alternate Name(s) Alum; aluminum potassium sulfate dodecahydrate; potassium aluminium sulfate dodecahydrate; exsiccated alum; potash alum; potassium alum;
Description
White odourless crystals; astringent taste.

Properties
Chemical Formula: $\text{AlK}(\text{SO}_4)_2 \cdot 12\text{H}_2\text{O}$

Molecular Weight: 474.38

Product Code: AA039

CAS No. 7784-24-9

General Information:

Freely soluble in glycerol, dilute acid. Insoluble in alcohol and acetone. Incompatible with strong bases. Above 200 °C, reacts with moisture to form sulfuric acid. May be neurotoxic. Non combustible.

Hazard and Safety Data

UN Group: None Allocated
Class: None Allocated
UN Number: None Allocated
Hazchem code: None Allocated
CS MSDS Code: 1CH0P
Poison schedule: Not Scheduled
Emergency
Procedure Guide No.: N/A

Quality Specification

Assay: 98.0 - 102.0%

Specific Properties and Impurities [Typical levels]:

Appearance	Passes test
Insoluble matter	≤ 0.005%
Ammonium (NH ₄)	≤ 0.005%
Chloride (Cl)	≤ 0.0005%
Heavy metals (as Pb)	≤ 0.001%
Iron (Fe)	≤ 0.001%
Sodium (Na)	≤ 0.02%

CONFORMS TO ACS

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