

Product Specification

Product Name: ALUMINIUM CHLORIDE Hexahydrate AR

Alternate Name(s) Potassium alum

Description

White or yellowish deliquescent crystalline powder; nearly odourless; sweet astringent taste.

Properties

Chemical Formula: $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$

Molecular Weight: 241.43

Product Code: AA060

CAS No. 7784-13-6

General Information:

Soluble in alcohol, ether and glycerol. Non combustible.

Quality Specification

Assay: 97.0 - 101.0%

Specific Properties and Impurities [Typical levels]:

pH of a 5% solution	2.5-3.5
Water (H ₂ O)	42.0-48.0%
Ammonium (NH ₄)	≤ 0.01%
Sulfate (SO ₄)	≤ 0.01%
Sulfate (SO ₄) USP	Complies
Alkali and alkaline earth metals	≤ 0.5%
Heavy metals (as Pb)	≤ 0.001%
Residual solvents	Complies
Arsenic (As)	≤ 0.0004%
Calcium (Ca)	≤ 0.02%
Iron (Fe)	≤ 0.001%
Magnesium (Mg)	≤ 0.01%
Potassium (K)	≤ 0.01%
Sodium (Na)	≤ 0.1%

Hazard and Safety Data

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

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