

Product Information

Aluminium Chloride Hexahydrate 99 % AR

Aluminium (III) chloride hexahydrate, Aluminium trichloride hexahydrate

Product Code	O-5011	Grade	Analytical Reagent
Purity	99%	CAS No	7784-13-6
Molecular Formula	AlCl ₃ .6H ₂ O	Molecular Weight	241.43 g/mol
H.S.Code	2827.3200	Shelf Life	60 Months

Physical Properties

Physical state	crystalline	Melting point	100°C
Colour	colourless	Relative density	2.398 g/cm ³
pH	2.5 - 3.5 at 20 °C	Vapour pressure	1 mmHg at 100 °C

Packaging

500 gram

Specification

Appearance	White crystalline powder or colorless crystals, deliquescent
Assay (argentometric)	min 99.0 %
Solubility	very soluble in water, freely soluble with ethanol 96%, soluble in glycerol
Identification (as per BP)	passes test
Appearance of solution	passes test
Sulphate (SO ₄)	max 0.005 %
Calcium (Ca)	max 0.01 %
Cadmium (Cd)	max 0.005 %
Cobalt (Co)	max 0.005 %
Copper (Cu)	max 0.005 %
Iron (Fe)	max 0.001 %
Potassium (K)	max 0.01 %
Sodium (Na)	max 0.05 %
Nickel (Ni)	max 0.005 %
Lead (Pb)	max 0.005 %
Zinc (Zn)	max 0.005 %
Alkali & alkaline earth metals	max 0.5 %
Water(H ₂ O)	42.0 - 48.0 %

Safety Information and Hazard Symbols



Symbol: GHS06

Signal Word: Warning

UN No.: not available

IMCO Class No.: not available

Packing Group: not available

Hazardous Statement: H315-H319-H335-H412

Precaution Statement: P261-P273-P305+P351+P338