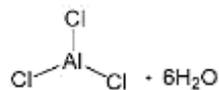


TIQ-F-QC-003  
 Rev.00

## Technical Data Sheet

# ALUMINIUM CHLORIDE HEXAHYDRATE 99%

Aluminium (III) chloride hexahydrate, Aluminium trichloride hexahydrate



<b>Product Code</b>	O-5011	<b>Grade</b>	Analytical Reagent
<b>Purity</b>	99 %	<b>CAS No</b>	7784-13-6
<b>Molecular Formula</b>	AlCl <sub>3</sub> .6H <sub>2</sub> O	<b>Molecular Weight</b>	241,43 g/mol
<b>H.S.Code</b>	2827.3200	<b>Shelf Life</b>	60 Months

## Physical Properties

<b>Physical state</b>	Crystalline	<b>pH value</b>	2.5 – 3.5 at 20°C
<b>Colour</b>	Colourless	<b>Relative density</b>	2,398 g/cm <sup>3</sup>
<b>Melting point</b>	100°C	<b>Vapour pressure</b>	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 <sub>4</sub> )	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	42.0 – 48 %

## Safety Information and Hazard Symbols



Symbol: GHS07

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