



## CERTIFICATE OF ANALYSIS

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### 1. Identification

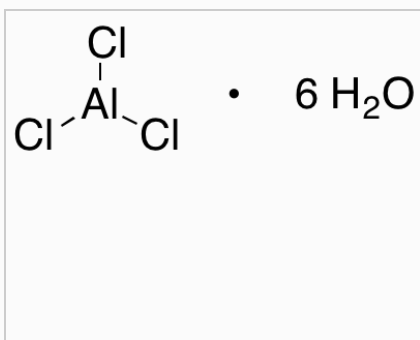
**Catalogue Number:** A575538

**CAS Number:** 7784-13-6

**Product:** Aluminum Chloride Hexahydrate

**Synonym:** Aluminum(III) Chloride Hexahydrate;  
Aluminum Trichloride Hexahydrate;  
Aluminum Chloride, Hexahydrate (8CI);  
Aluminum Chloride (AlCl<sub>3</sub>), Hexahydrate (9CI); Aluminum Chloride (AlCl<sub>3</sub>), Hydrate (1:6)

**Structure:**



**Molecular Formula:**

AlCl<sub>3</sub>H<sub>12</sub>O<sub>6</sub>

**Molecular weight:**

241.43

**Source of Product:**

N/A

**Solubility:**

Water (Slightly)

**Lot Number:** 2022-CTZ-025

**Purity:** N/A

**Shipping Condition:** This Product Is Stable To Be  
Shipped At Room Temperature With  
Dry Pack

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	Off-White Solid
Chloride Content	Report Result	39.69% by Ion Chromatography
Water Content	Report Result	42.8% by Karl Fischer

**Additional Information:** N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Sarbjeet Kaur	Toni Rantanen	Chanell Chu	11/25/2022	11/23/2026
				