

**Product Name:** Aluminum chloride, anhydrous, Reagent Grade  
**Catalog Number:** 012298.30

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**CAS Number:** 7446-70-0  
**IUPAC Name:** aluminium(3+) trichloride  
**Molecular Formula:** AlCl<sub>3</sub>  
**Molecular Weight:** 133.33  
**InChI Key:** VSCWAEJMTAWNJL-UHFFFAOYSA-K  
**SMILES:** [Al+3].[Cl-].[Cl-].[Cl-]  
**Synonym:** aluminium chloride

### Product Specification

**Appearance (Color):** White to pale yellow  
**Form:** Powder  
**Comment:** Zinc: Report  
**Comment:** Copper: Report  
**Assay (unspecified):** ≥99.0%  
**Comment:** Free Aluminum: Report  
**Insoluble material:** ≤0.05%  
**Comment:** Magnesium: Report  
**Non-Volatile Residue:** ≤0.4%  
**Comment:** Iron: ≤50 ppm

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**Date Of Print:** 06/22/2025

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*