

CERTIFICATE OF ANALYSIS

Product Name	ALUMINIUM CHLORIDE HEXAHYDRATE 99% AR		
CAS No.	7784-13-6	Code No.	00119
Batch No.	PC02252861	Date of Analysis	14/02/2025
Mfg. Date	Feb-2025	Mol.Weight (g/mol)	241.45
Expiry Date	Jan-2030	Mol. Formula	AlCl ₃ .6H ₂ O

Sr.	TESTS	SPECIFICATIONS	RESULTS
1	Appearance	White crystalline powder or colorless crystals, deliquescent	White crystalline powder
2	Assay (Complexometric)	Min 99.0%	99.48%
3	Solubility	Very soluble in water, freely soluble with ethanol (96 Per cent), soluble in glycerol	Complies
4	Identification (as per BP)	Passes test	Passes
5	Appearance of solution	Passes test	Passes
6	Sulphate (SO ₄)	Max 0.005%	0.0029%
7	Calcium (Ca)	Max 0.01%	0.0041%
8	Cadmium (Cd)	Max 0.005%	0.0006%
9	Cobalt (Co)	Max 0.005%	0.0018%
10	Copper (Cu)	Max 0.005%	0.0022%
11	Iron (Fe)	Max 0.001%	0.0005%
12	Potassium (K)	Max 0.01%	0.004%
13	Sodium (Na)	Max 0.05%	0.036%
14	Nickel (Ni)	Max 0.005%	0.0024%
15	Lead (Pb)	Max 0.005%	0.0028%
16	Zinc (Zn)	Max 0.005%	0.0014%
17	Alkali & alkaline earth metals	Max 0.5%	0.23%
18	Water (H ₂ O)	42.0 - 48.0%	46.44%

Remark: This product complies as per the specifications of Chemnovo.

This is an electronically generated certificate and is valid without a signature.

Corporate Office: 403, Cosmos Plaza,
D.N Nagar Metro Station, Andheri
West, Mumbai-53
Unit 1: Plot No. F4/12 Tata Steel Road,
Tarapur MIDC Boisar-401504
Unit 2: N-226 Near Kumbhavali Naka,
Tarapur MIDC, Boisar 401506

For issues relating to quality you
may send us a mail on
sales@chemnovo.in

Website: www.chemnovo.in
Contact: +91 9136093115

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