

F-QC-001 Rev.00

Certificate Of Analysis

dProduct Name : Aluminium Chloride Hexahydrate 99% AR

Catalog Number : O-5011

Batch Number : 5011-00000000

CAS Number : 7784-13-6

Molecular Weight : 241.45 g/mol

Mol. Formula : $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$

Expire Date : 60 Months

SAMPLE

No	Test	Specifications	Results
1	Appearance	White crystalline powder or colorless crystals, deliquescent	White crystalline powder
2	Assay (argentometric)	min 99.0 %	100.26%
3	Solubility	very soluble in water, freely soluble with ethanol 96%, 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 %	0.0032%
7	Calcium (Ca)	max 0.01 %	0.004%
8	Cadmium (Cd)	max 0.005 %	0.002%
9	Cobalt (Co)	max 0.005 %	0.0036%
10	Copper (Cu)	max 0.005 %	0.0011%
11	Iron (Fe)	max 0.001 %	0.0007%
12	Potassium (K)	max 0.01 %	0.0023%
13	Sodium (Na)	max 0.05 %	0.018%
14	Nickel (Ni)	max 0.005 %	0.0024%
15	Lead (Pb)	max 0.005 %	0.0032%
16	Zinc (Zn)	max 0.005 %	0.0017%
17	Alkali & alkaline earth metals	max 0.5 %	0.19%
18	Water(H_2O)	42.0 - 48.0 %	44.8000%

Corresponds to AR/ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIRO S.Si.
Manager QC