

Certificate of Analysis

Date of Testing:	2024-08-29 16:34:55
Date of Next Testing:	2026-08-29 16:34:55
Product Name:	Aluminum chloride hexahydrate
CAS Number:	7784-13-6
Specifications & Purity:	Analytical Reagent,97.0%
Lot #:	H2416070
SKU #	A112509
Version	0
Analysis #:	405420

Parameter	Limit Values	Result
Copper(Cu)	0-50 (ppm)	0.00 ppm
Assay	99-100 (%)	99.99 %
Zinc(Zn)	0-50 (ppm)	12.00 ppm
Iron(Fe)	0-50 (ppm)	10.00 ppm
Potassium(K)	0-100 (ppm)	90.00 ppm
Sodium(Na)	0-500 (ppm)	480.00 ppm
Nickel(Ni)	0-50 (ppm)	22.00 ppm
Calcium(Ca)	0-100 (%)	88.00 %
Cadmium(Cd)	0-50 (ppm)	45.00 ppm
Cl(Titration by AgNO3)	43.4-44.7 (%)	44.50 %
Sulfate(SO42-)	0-50 (ppm)	0.00 ppm
(Pb)Lead	0-50 (ppm)	0.00 ppm
Cobalt(Co)	0-50 (ppm)	0.00 ppm
PH(25 °C, 50 mg/mL in Water)	2.5-3.5 (%)	3.20 %
Appearance (A112509)	White to Off-White Crystals	White to Off-White Crystals
ICP Major Analysis	Confirmed to structure	Confirmed to structure
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager