

## Certificate of Analysis

Date of Testing:	2023-10-16 14:32:28
Date of Next Testing:	2025-10-15 14:32:28
Product Name:	<b>Aluminum chloride hexahydrate</b>
CAS Number:	7784-13-6
Specifications & Purity:	Analytical Reagent,97.0%
Lot #:	A2212253
SKU #	<b>A112509</b>
<b>Analysis:</b>	<b>285709</b>

Parameter	Limit Values	Result
Copper(Cu)	0-50 (ppm)	49.95 ppm
Assay	99-100 (%)	99.00 %
Zinc(Zn)	0-50 (ppm)	45.62 ppm
Iron(Fe)	0-50 (ppm)	50.00 ppm
Potassium(K)	0-100 (ppm)	98.99 ppm
Sodium(Na)	0-500 (ppm)	350.99 ppm
Nickel(Ni)	0-50 (ppm)	49.99 ppm
Calcium(Ca)	0-100 (%)	69.00 %
Cadmium(Cd)	0-50 (ppm)	45.00 ppm
Cl(Titration by AgNO3)	43.4-44.7 (%)	43.46 %
Sulfate(SO42-)	0-50 (ppm)	48.80 ppm
(Pb)Lead	0-50 (ppm)	49.99 ppm
Cobalt(Co)	0-50 (ppm)	50.00 ppm
PH(25 °C, 50 mg/mL in Water)	2.5-3.5 (%)	3.08 %
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



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ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager