

Certificate of Analysis

Date of Testing: 2023-01-13 11:53:44
 Date of Next Testing: 2025-01-12 11:53:44
 Product Name: **Aluminum chloride hexahydrate**
 CAS Number: 7784-13-6
 Specifications & Purity: Analytical Reagent,97.0%
 Lot #: A2310094
 SKU #: **A112509**
Analysis: 178652

Parameter	Limit Values	Result
Copper(Cu)	0-50 (ppm)	25.20 ppm
Assay	99-100 (%)	99.39 %
Zinc(Zn)	0-50 (ppm)	20.50 ppm
Iron(Fe)	0-50 (ppm)	25.00 ppm
Potassium(K)	0-100 (ppm)	50.00 ppm
Sodium(Na)	0-500 (ppm)	250.00 ppm
Nickel(Ni)	0-50 (ppm)	29.16 ppm
Calcium(Ca)	0-100 (%)	50.00 %
Cadmium(Cd)	0-50 (ppm)	25.03 ppm
Cl(Titration by AgNO3)	43.4-44.7 (%)	44.43 %
Sulfate(SO42-)	0-50 (ppm)	17.64 ppm
(Pb)Lead	0-50 (ppm)	20.93 ppm
Cobalt(Co)	0-50 (ppm)	25.20 ppm
PH(25 °C, 50 mg/mL in Water)	2.5-3.5 (%)	3.00 %
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