

Certificate of Analysis

Date of Testing: 2024-12-20 18:13:12

Date of Next Testing: 2026-12-20 18:13:12

Product Name: **Aluminum chloride hexahydrate**

CAS Number: 7784-13-6

Specifications & Purity: AR, ≥97%

Lot #: L2409687

SKU #: **A112509**

Version **1**

Analysis #: **549781**

Parameter	Limit Values	Result
Copper(Cu)	0-50 (ppm)	6.70 ppm
Assay	97-100 (%)	99.99 %
Zinc(Zn)	0-50 (ppm)	2.54 ppm
Iron(Fe)	0-50 (ppm)	3.80 ppm
Potassium(K)	0-100 (ppm)	50.00 ppm
Sodium(Na)	0-500 (ppm)	200.00 ppm
Nickel(Ni)	0-50 (ppm)	0.61 ppm
Calcium(Ca)	0-0.01 (%)	0.00 %
Cadmium(Cd)	0-50 (ppm)	25.01 ppm
Cl(Titration by AgNO3)	42.50-44.70 (%)	44.20 %
Sulfate(SO42-)	0-50 (ppm)	13.76 ppm
(Pb)Lead	0-50 (ppm)	0.10 ppm
Cobalt(Co)	0-50 (ppm)	15.30 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".

John Su
QA & QC Manager