

Certificate of Analysis

Date of Testing: 2022-10-18 11:42:30
 Date of Next Testing: 2024-10-17 11:42:30
 Product Name: **Aluminum chloride hexahydrate**
 CAS Number: 7784-13-6
 Specifications & Purity: Analytical Reagent, 97.0%
 Lot #: L2015007
 SKU #: **A112509**
Analysis: 145003

Parameter	Limit Values	Result
Copper(Cu)	0-50 (ppm)	25.03 ppm
Assay	99-100 (%)	99.25 %
Zinc(Zn)	0-50 (ppm)	25.32 ppm
Iron(Fe)	0-50 (ppm)	19.31 ppm
Potassium(K)	0-100 (ppm)	48.62 ppm
Sodium(Na)	0-500 (ppm)	251.80 ppm
Nickel(Ni)	0-50 (ppm)	16.17 ppm
Calcium(Ca)	0-100 (%)	50.63 %
Cadmium(Cd)	0-50 (ppm)	19.12 ppm
Cl(Titration by AgNO ₃)	43.4-44.7 (%)	44.17 %
Sulfate(SO ₄ ²⁻)	0-50 (ppm)	19.04 ppm
(Pb)Lead	0-50 (ppm)	13.51 ppm
Cobalt(Co)	0-50 (ppm)	27.96 ppm
PH(25 °C, 50 mg/mL in Water)	2.5-3.5 (%)	2.86 %
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