

Certificate of Analysis

Date of Testing: 2024-01-04 10:37:26
Date of Next Testing: 2026-01-03 10:37:26
Product Name: **Aluminum chloride hexahydrate**
CAS Number: 7784-13-6
Specifications & Purity: Analytical Reagent,97.0%
Lot #: A2402064
SKU #: **A112509**
Analysis: 310936

Parameter	Limit Values	Result
Copper(Cu)	0-50 (ppm)	8.00 ppm
Assay	99-100 (%)	99.99 %
Zinc(Zn)	0-50 (ppm)	0.00 ppm
Iron(Fe)	0-50 (ppm)	0.00 ppm
Potassium(K)	0-100 (ppm)	67.00 ppm
Sodium(Na)	0-500 (ppm)	100.00 ppm
Nickel(Ni)	0-50 (ppm)	0.00 ppm
Calcium(Ca)	0-100 (%)	80.00 %
Cadmium(Cd)	0-50 (ppm)	6.00 ppm
Cl(Titration by AgNO3)	43.4-44.7 (%)	44.60 %
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 (%)	3.10 %
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

14078 Meridian Parkway, Riverside, CA. 92518

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

John Su
QA & QC Manager