

Certificate of Analysis

Date of Testing: 2022-09-17 15:06:23
Date of Next Testing: 2024-09-16 15:06:23
Product Name: **Aluminum chloride hexahydrate**
CAS Number: 7784-13-6
Specifications & Purity: Analytical Reagent,97.0%
Lot #: I2207259
SKU #: **A112509**
Analysis: 136292

Parameter	Limit Values	Result
Copper(Cu)	0-50 (ppm)	48.33 ppm
Assay	99-100 (%)	99.99 %
Zinc(Zn)	0-50 (ppm)	48.20 ppm
Iron(Fe)	0-50 (ppm)	49.99 ppm
Potassium(K)	0-100 (ppm)	99.91 ppm
Sodium(Na)	0-500 (ppm)	488.96 ppm
Nickel(Ni)	0-50 (ppm)	48.25 ppm
Calcium(Ca)	0-100 (%)	99.03 %
Cadmium(Cd)	0-50 (ppm)	46.23 ppm
Cl(Titration by AgNO3)	43.4-44.7 (%)	44.62 %
Sulfate(SO42-)	0-50 (ppm)	40.27 ppm
(Pb)Lead	0-50 (ppm)	45.23 ppm
Cobalt(Co)	0-50 (ppm)	47.96 ppm
PH(25 °C, 50 mg/mL in Water)	2.5-3.5 (%)	3.42 %
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