

Certificate of Analysis

Date of Testing: 2022-08-04 11:14:06
 Date of Next Testing: 2026-08-03 11:14:06
 Product Name: **Lanthanum nitrate hexahydrate**
 CAS Number: 10277-43-7
 Specifications & Purity: reagent grade,99%
 Lot #: G2228777
 SKU #: **L106046**
Analysis: 121392

Parameter	Limit Values	Result
Chromium(Cr)	0-5 (ppm)	0.75 ppm
Calcium(Ca)	0-50 (ppm)	23.40 ppm
Copper(Cu)	0-5 (ppm)	1.62 ppm
Sulfate(SO42-)	0-50 (ppm)	25.08 ppm
Water by Karl Fischer	23-27 (%)	23.09 %
Iron(Fe)	0-10 (ppm)	6.34 ppm
(Pb)Lead	0-10 (ppm)	1.20 ppm
Magnesium(Mg)	0-5 (ppm)	0.71 ppm
Sodium(Na)	0-10 (ppm)	5.92 ppm
Cobalt(Co)	0-5 (ppm)	0.50 ppm
Potassium(K)	0-10 (ppm)	3.60 ppm
Manganese(Mn)	0-5	1.49
Nickel(Ni)	0-5 (ppm)	3.20 ppm
Purity(T)	99-100 (%)	99.31 %
Zinc(Zn)	0-5 (ppm)	2.81 ppm
Cadmium(Cd)	0-5 (ppm)	0.50 ppm
Chloride (Cl-)	0-50 (ppm)	25.60 ppm
Appearance (L106046)	white crystal or crystal powder	white crystal or crystal powder
Infrared spectrum	Conforms to Structure	Conforms 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