

Certificate of Analysis

Date of Testing: 2023-09-27 14:17:18
 Date of Next Testing: 2027-09-26 14:17:18
 Product Name: **Lanthanum nitrate hexahydrate**
 CAS Number: 10277-43-7
 Specifications & Purity: reagent grade, 99%
 Lot #: I2320579
 SKU #: **L106046**
 Analysis: **281496**

| Parameter | Limit Values | Result |
|-------------------------|---------------------------------|---------------------------------|
| Chromium(Cr) | 0-5 (ppm) | 0.63 ppm |
| Calcium(Ca) | 0-50 (ppm) | 15.20 ppm |
| Copper(Cu) | 0-5 (ppm) | 0.20 ppm |
| Sulfate(SO42-) | 0-50 (ppm) | 20.30 ppm |
| Iron(Fe) | 0-10 (ppm) | 5.20 ppm |
| (Pb)Lead | 0-10 (ppm) | 3.90 ppm |
| Magnesium(Mg) | 0-5 (ppm) | 2.70 ppm |
| Sodium(Na) | 0-10 (ppm) | 5.50 ppm |
| Cobalt(Co) | 0-5 (ppm) | 0.81 ppm |
| Potassium(K) | 0-10 (ppm) | 6.40 ppm |
| Nickel(Ni) | 0-5 (ppm) | 0.69 ppm |
| Purity(T) | 99-100 (%) | 100.00 % |
| Zinc(Zn) | 0-5 (ppm) | 0.30 ppm |
| Cadmium(Cd) | 0-5 (ppm) | 0.73 ppm |
| Chloride (Cl-) | 0-50 (ppm) | 19.68 ppm |
| La(Complexometric EDTA) | 30.8-31.8 (%) | 31.69 % |
| Manganese(Mn) | 0-5 (ppm) | 0.60 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".

John Su
QA & QC Manager