

## Certificate of Analysis

Date of Testing: 2024-06-19 09:49:53

Date of Next Testing: 2028-06-18 09:49:53

Product Name: **Neodymium nitrate hexahydrate**

CAS Number: 16454-60-7

Specifications & Purity: Analytical Reagent, 99.0 %

Lot #: F2415377

SKU #: **N106057**

Version: **3**

Analysis #: **363445**

Storage Temperature: Desiccated

| Parameter                  | Limit Values          | Result                |
|----------------------------|-----------------------|-----------------------|
| Chloride (Cl-)             | 0-0.002 (%)           | 0.00 %                |
| Heavy metals PbO           | 0-0.001 (%)           | 0.00 %                |
| Sulfate(SO42-)             | 0-0.003 (%)           | 0.00 %                |
| REO                        | ≥38.45 (%)            | 38.45 %               |
| Y2O3                       | 0-0.001 (%)           | 0.00000 %             |
| Sm2O3                      | 0-0.004 (%)           | 0.00000 %             |
| Fe2O3                      | 0-0.0004 (%)          | 0.00 %                |
| La2O3                      | 0-0.005 (%)           | 0.00000 %             |
| CeO2                       | 0-0.004 (%)           | 0.00000 %             |
| CaO                        | 0-0.001 (%)           | 0.00 %                |
| silica(SiO2)               | 0-0.001 (%)           | 0.00 %                |
| Pr6O11                     | 0-0.02 (%)            | 0.00000 %             |
| Assay(Complexometric EDTA) | 98.5-101.5 (%)        | 99.81 %               |
| 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". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager