

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-24 19:26:21  
Date of Next Testing: 2027-02-23 19:26:21  
Product Name: **Cerium(IV) sulfate**  
CAS Number: 13590-82-4  
Specifications & Purity: 97%  
Lot #: B2321805  
SKU #: **C119184**  
Analysis: **191474**

| Parameter   | Limit Values                                     | Result   |
|---|--|--|
| Water by Karl Fischer   | 0-1 (%)  | 0.30 %   |
| Purity  | 97-100 (%)                                       | 99.90 %  |
| Ce(Titration by Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ) | 39.6-44.7 (%)                                    | 40.33 %  |
| Appearance (C119184)  | Yellow,yellow-green or gold powder and/or chunks | Yellow,yellow-green or gold powder and/or chunks |
| ICP: Confirms cerium and sulfur component                       | Confirmed  | Confirmed  |
| X-Ray Diffraction   | Conforms to Structure                            | Conforms to Structure                            |



John Su  
QA & QC Manager