

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-10-20 11:12:36

Date of Next Testing: 2026-10-19 11:12:36

Product Name: **Terbium(III) perchlorate**

CAS Number: 14014-09-6

Specifications & Purity: 50% aqueous solution, 99.9%-Tb(REO)

Lot #: J2311565

SKU #: **T283498**

Analysis: **272476**

| Parameter                                                            | Limit Values | Result     |
|----------------------------------------------------------------------|--------------|------------|
| Purity Based On Rare Earth Analysis                                  | 99.9-100 (%) | 99.94 %    |
| Trace Rare Earth Analysis                                            | 0-1000 (ppm) | 582.00 ppm |
| Concentration(Titration by EDTA)(Cl <sub>3</sub> O <sub>12</sub> Tb) | 48-52 (%)    | 51.98000 % |
| ICP:Confirms Terbium Component                                       | Confirmed    | Confirmed  |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager