

## Certificate of Analysis

Date of Testing: 2024-12-24 18:48:59

Date of Next Testing: 2026-12-14 18:48:59

Product Name: **Erbium trinitrate pentahydrate**

CAS Number: 10031-51-3

Specifications & Purity:  $\geq 99.9\%$  metals basis

Lot #: L2418721

SKU #: **E106128**

Version **0**

Analysis #: **439780**

| Parameter                                         | Limit Values                          | Result                                |
|---------------------------------------------------|---------------------------------------|---------------------------------------|
| Water by Karl Fischer                             | 15-25 (%)                             | 20.63 %                               |
| Compleximetric EDTA (% Er)                        | 37-38.5 (%)                           | 37.64 %                               |
| Trace Rare Earth Analysis                         | 0-2000 (ppm)                          | 265.00 ppm                            |
| Purity(Based On Trace Rare Earth Analysis of ICP) | 99.9-100 (%)                          | 99.97 %                               |
| Appearance (E106128)                              | Pink Crystals or Powder and/or Chunks | Pink Crystals or Powder and/or Chunks |
| ICP: Confirms Erbium Component                    | Confirmed                             | Confirmed                             |
| X-Ray Diffraction                                 | Conforms to Structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager