

## Certificate of Analysis

Date of Testing: 2023-07-04 13:51:25

Date of Next Testing: 2026-07-03 13:51:25

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

CAS Number: 12036-41-8

Specifications & Purity: 99.99% trace metals basis

Lot #: F2325562

SKU #: **T475154**

**Analysis:** **230747**

Storage Temperature: Argon charged

| Parameter                           | Limit Values                                   | Result                                         |
|-------------------------------------|------------------------------------------------|------------------------------------------------|
| Trace Rare Earth Analysis           | 0-100 (ppm)                                    | 100.00 ppm                                     |
| Purity Based On Rare Earth Analysis | 99.99-100 (%)                                  | 99.99 %                                        |
| Tb(Complexometric EDTA)             | 85.6-88.2 (%)                                  | 88.14 %                                        |
| ICP:Confirms Terbium Component      | Confirmed                                      | Confirmed                                      |
| Appearance(T475154)                 | White to Off-White Powder or Solid or Crystals | white to off-white powder or solid or crystals |
| X-Ray Diffraction                   | Conforms to Structure                          | Conforms to Structure                          |



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