

Certificate of Analysis

Date of Testing: 2025-06-16 17:28:52

Date of Next Testing: 2029-06-15 17:28:52

Product Name: **Terbium(III) nitrate pentahydrate**

CAS Number: 57584-27-7

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

Lot #: F2511020

SKU #: **T124613**

Version: **0**

Analysis #: **048392**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Based On Trace Rare Earth Analysis)	99.9-100 (%)	99.99 %
Trace Rare Earth Analysis	0-2000 (ppm)	63.00 ppm
Water by Karl Fischer	18-22 (%)	20.16 %
Tb(Complexometric EDTA)	35.2-37.8 (%)	35.28 %
Appearance (T124613)	white powder or solid	white powder or solid
ICP:Confirms Terbium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager