

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-26 11:41:06  
Date of Next Testing: 2027-05-25 11:41:06  
Product Name: **Terbium(III) chloride hexahydrate**  
CAS Number: 13798-24-8  
Specifications & Purity: 99.999% metals basis  
Lot #: E2318671  
SKU #: **T100635**  
Version: **0**  
Analysis #: **163324**  
Storage Temperature: Argon charged, Desiccated

Parameter	Limit Values	Result
Tb(Complexometric EDTA)	40.8-43.6 (%)	41.70 %
Purity(Based On Trace Rare Earth Analysis)	99.999-100 (%)	100.00 %
Water by Karl Fischer	23-33 (%)	23.57 %
Trace Rare Earth Analysis	0-20 (ppm)	3.00 ppm
Appearance (T100635)	White crystal powder	White crystal powder
ICP:Confirms Terbium Component	Confirmed	Confirmed
X-Ray Diffraction	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager