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## Product Specification

Product Name:  
Terbium(III) nitrate pentahydrate - 99.9% trace metals basis

**Product Number:** 325945  
**CAS Number:** 57584-27-7  
**MDL:** MFCD00149867  
**Formula:** N3O9Tb · 5H2O  
**Formula Weight:** 435.02 g/mol

Tb(NO<sub>3</sub>)<sub>3</sub> · 5H<sub>2</sub>O

TEST	Specification
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Appearance (Color)	White
Appearance (Form)	Powder or Crystals or Solid or Chunks
Complexiometric EDTA % Terbium	35.2 - 37.8 %
ICP Major Analysis Confirms Terbium Component	Confirmed
Purity 99.9% Based On Rare Earth Analysis	Meets Requirements
Trace Rare Earth Analysis	≤ 1500.0 ppm

Specification: PRD.2.ZQ5.10000025050

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.