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## Product Specification

Product Name:  
Dysprosium(III) nitrate hydrate - 99.9% trace metals basis

**Product Number:** 298158  
**CAS Number:** 100641-13-2  
**Formula:** Dy(NO<sub>3</sub>)<sub>3</sub> · xH<sub>2</sub>O  
**Formula Weight:** DyN<sub>3</sub>O<sub>9</sub> · xH<sub>2</sub>O  
348.51 g/mol

TEST	Specification
Appearance (Color)	White to Yellow
Appearance (Form)	Crystals or Crystals with Chunks
Complexiometric EDTA (% Dy) Typically	34.0 - 37.0 %
ICP Major Analysis Confirms Dysprosium Component	Confirmed
Purity 99.9% Based on Rare Earth Analysis	Meets Requirements
Trace Rare Earth Analysis	≤ 1500.0 ppm

Specification: PRD.0.ZQ5.10000040675

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.