

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Ytterbium(III) chloride hexahydrate - 99.9% trace metals basis

**Product Number:** 337927  
**CAS Number:** 10035-01-5  
**MDL:** MFCD00149885  
**Formula:** Cl<sub>3</sub>Yb · 6H<sub>2</sub>O  
**Formula Weight:** 387.49 g/mol

YbCl<sub>3</sub> · 6H<sub>2</sub>O

TEST	Specification
Appearance (Color)	White
Appearance (Form) Crystals or Crystalline Powder and/or Chunks	Conforms to Requirements
Compleximetric EDTA % Yb	43.1 - 46.2 %
ICP Major Analysis Confirms Ytterbium Component	Confirmed
Purity 99.9% Based On Rare Earth Analysis	Meets Requirements
Trace Rare Earth Analysis	≤ 1500.0 ppm

Specification: PRD.2.ZQ5.10000016649

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.