

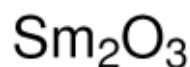
3050 Spruce Street, Saint Louis, MO 63103, USA

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:  
Samarium(III) oxide – 99.999% trace rare earth metals basis

Product Number: **394394**  
CAS Number: 12060-58-1  
MDL: MFCD00011237



Formula Weight: 348.70 g/mol

TEST	Specification
Appearance (Color)	White to Light Orange
Appearance (Form)	Powder
X-Ray Diffraction	Conforms to Structure
ICP Major Analysis	Confirmed
Confirms Samarium Component	
Purity	Meets Requirements
99.999% Based on Rare Earth Analysis	
Trace Rare Earth Analysis	≤ 15.0 ppm

Specification: PRD.3.ZQ5.10000032205

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.