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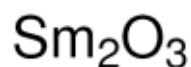
Website: www.sigmaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:

Samarium(III) oxide dispersion - nanoparticles, <100 nm particle size (BET)

Product Number: 641855
CAS Number: 12060-58-1
MDL: MFCD00011237
Formula: O₃Sm₂
Formula Weight: 348.72 g/mol



TEST	Specification
Appearance (Color)	White to Light Orange
Appearance (Form)	Liquid
Miscellaneous Assay ~ 5 % Dispersion	
Diameter Equivalent Spherical Diameter < 100 nm (BET)	Conforms
Purity 1000 ppm (maximum) Trace Metallic Impurities	Meets Requirements
Trace Rare Earth Analysis	≤ 1000.0 ppm

Specification: PRD.0.ZQ5.10000097030

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. 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.