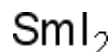


3050 Spruce Street, Saint Louis, MO 63103, USA

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(II) iodide anhydrous, powder, ≥99.9% trace metals basis

**Product Number:****409340**

CAS Number:

32248-43-4

MDL:

MFCD00058873

Formula:

I<sub>2</sub>Sm

Formula Weight:

404.17 g/mol

<b>TEST</b>	<b>Specification</b>
Appearance (Color)	Dark Green to Black
Appearance (Form)	Powder
Compleximetric EDTA % Sm	36.3- 38.1 %
ICP Major Analysis Confirms Samarium Component	Confirmed
Trace Rare Earth Analysis	≤1000.0 ppm
Purity > = 99.9% Based On Rare Earth Analysis	Conforms

**Remarks:**

Specification Date : 12/21/2010

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.