

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:  
Zirconium(IV) oxide-yttria stabilized - nanopowder, <100 nm particle size

Product Number: **544779**

MDL: MFCD00145546  
Formula:  $(\text{ZrO}_2)_{1-x}(\text{Y}_2\text{O}_3)_x$   
Formula Weight: 349.03 g/mol

TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder or Chunks
ICP Major Analysis Confirms Zr and Y Components	Confirmed
Size < 100 nm	Confirmed

Specification: PRD.1.ZQ5.10000050861

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.