

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

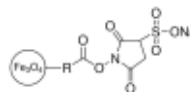
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Iron oxide(II,III) magnetic nanopowder - 10 nm diameter, N-succinimidyl ester functionalized

Product Number: 747459
Batch Number: MKBR2644V
Brand: ALDRICH
Formula: Fe₃O₄
Formula Weight: 231.53 g/mol
Storage Temperature: Store at -20 °C
Quality Release Date: 09 JUN 2014
Date Retested: 27 MAY 2015
Recommended Retest Date: NOV 2015



Test	Specification	Result
Appearance (Color)	Brown to Dark Brown	Brown
Appearance (Form)	Powder	Powder
ICP Major Analysis	Confirmed	Confirmed
Confirms Iron Component		
Composition	Confirmed	Confirmed
Surface Group: N-succinimidyl ester		
Particle Size	Conforms	Conforms
9-11 nm (TEM)		
Product of Supplier	Confirmed	Confirmed
OCEAN NANOTECH LLC		
Recommended Retest Period	-----	-----
6 Months		

Ali Ataei, Manager
 Quality Control
 Milwaukee, WI US

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.