Product Name:

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

Fe<sub>3</sub>O<sub>4</sub>

Iron oxide(II,III), magnetic nanoparticles solution - 20 nm avg. part. size, 5 mg/mL in H2O

Product Number: 725366

Batch Number: MKCP0743

Brand: ALDRICH

Formula: Fe3O4
Formula Weight: 231.53 g/n

Formula Weight: 231.53 g/mol Quality Release Date: 25 FEB 2021

Test	Specification	Result	
Appearance (Color)	Brown or Black	Brown	
Appearance (Form)	Liquid	Liquid	
ICP Major Analysis	Confirmed	Confirmed	
Confirms Iron Component			
Concentration	Conforms	Conforms	
5 mg/ml in Water			
Particle Size	Conforms	Conforms	
17-23 nm (TEM)			
Magnetization	Conforms	Conforms	
> 20 emu/g At 4500Oe			

Michael Grady, 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.

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