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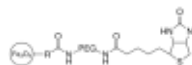
Product Specification

Product Name:

Iron oxide(II,III) magnetic nanoparticles solution – 30 nm diameter, biotin functionalized, 1 mg/mL Fe, dispersion in H₂O

Product Number:

747432



Formula: Fe₃O₄
Formula Weight: 231.53 g/mol
Storage Temperature: 2 - 8 °C

TEST	Specification
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Appearance (Color)	Brown to Dark Brown
Appearance (Form)	Liquid
Concentration	Conforms
1 mg/ml	
Composition	Confirmed
Surface Group: Biotin	
Particle Size	Conforms
28-32 nm (TEM)	
Recommended Retest Period	-----
24 Months	
Note	-----
Minimal precipitation will not affect the function of the material.	
ICP Major Analysis	Confirmed
Confirms Iron Component	

Specification: PRD.2.ZQ5.10000046782

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.