3050 Spruce Street, Saint Louis, MO 63103, USA Website: www.sigmaaldrich.com Email USA: techserv@sial.com Outside USA: eurtechserv@sial.com

Product Specification

Product Name: Silver nanospheres - 80 nm avg. part. size, 0.02 mg/mL in water, PEG functionalized

Product Number: 796344

Storage Temperature: 2 - 8 °C

Appearance (Color) Light Yellow to Yellow and Light Brown to Brown Appearance (Form) Liquid Wavelength Report Result ICP Major Analysis Confirmed Confirms Silver Component Diameter Hydrodynamic (Report Result) Surface Area Report Result (TEM) Confirmed Concentration Mass (Ag)(Report Result) Particles/ml Confirmed 6.5E+ 09 Diameter Bionmeter Confirmed 80 nm Miscellaneous Supplier Data Zeta Potential (mV)(Report Result) Confirmed Silver (Ag) Confirmed 99.99% Miscellaneous Supplier Data Particles/ml Confirmed Report Result Silver (Ag) 99.99% Confirmed Miscellaneous Supplier Data Confirmed Particle Surface: PEG Confirmed Recommended Retest Period	TEST	Specification
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Miscellaneous Supplier Data Confirmed Particle Surface: PEG Recommended Retest Period	Silver (Ag)	Confirmed
Particle Surface: PEG Recommended Retest Period	99.99%	
Particle Surface: PEG Recommended Retest Period	Miscellaneous Supplier Data	Confirmed
12 month	Recommended Retest Period	
	12 month	

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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Product Number: 796344

Storage Temperature: 2 - 8 °C

TEST

Specification

Specification: PRD.0.ZQ5.10000103966

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