

Certificate of Analysis

Product Name:

Silver nanospheres - 100 nm avg. part. size, 0.02 mg/mL in water, PEG functionalized

Product Number: 796352
Batch Number: MKBV0035V
 Brand: ALDRICH
 Storage Temperature: Store at 2 - 8 °C
 Quality Release Date: 17 MAR 2015
 Date Retested: 07 NOV 2018
 Recommended Retest Date: NOV 2019

Test	Specification	Result
Appearance (Color)	Light Yellow to Yellow and Light Brown to Brown	Light Yellow
Appearance (Form)	Liquid	Liquid
Wavelength		484 nm
Report Result		
ICP Major Analysis	Confirmed	Confirmed
Confirms Silver Component		
Diameter		121.1 nm
Hydrodynamic (Report Result)		
Surface Area		5.4 m2/g
Report Result (TEM)		
Concentration		0.021 mg/ml
Mass (Ag)(Report Result)		
Particles/ml	Confirmed	Conforms
3.4E+ 0.9		
Diameter	Confirmed	Confirmed
100 nm		
Miscellaneous Supplier Data		-17.1
Zeta Potential (mV)(Report Result)		
pH		6.6
Report Result		
Silver (Ag)	Confirmed	Confirmed
99.99%		
Miscellaneous Supplier Data	Confirmed	Confirmed
Particle Surface: PEG		

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.

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

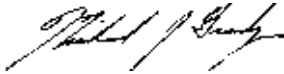
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

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Test	Specification	Result
Recommended Retest Period 12 months	-----	-----



Michael Grady, Manager
Quality Control
Milwaukee, WI US

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