

Certificate of Analysis

Product Name:

Silver nanospheres – 80 nm avg. part. size, 0.02 mg/mL in water, PEG functionalized

Product Number: 796344
Batch Number: MKBV1428V
 Brand: ALDRICH
 Storage Temperature: Store at 2 - 8 °C
 Quality Release Date: 24 APR 2015
 Date Retested: 29 OCT 2018
 Recommended Retest Date: OCT 2019

Test	Specification	Result
Appearance (Color)	Light Yellow to Yellow and Light Brown to Brown	Light Yellow
Appearance (Form)	Liquid	Liquid
Wavelength		470 nm
Report Result		
ICP Major Analysis	Confirmed	Confirmed
Confirms Silver Component		
Diameter		108.3 nm
Hydrodynamic (Report Result)		
Surface Area		6.7 m2/g
Report Result (TEM)		
Concentration		0.021 mg/ml
Mass (Ag)(Report Result)		
Particles/ml	Confirmed	Conforms
6.5E+ 09		
Diameter	Confirmed	Confirmed
80 nm		
Miscellaneous Supplier Data		-11.9
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.

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Website: www.sigmaaldrich.com

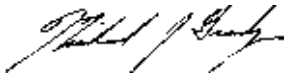
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

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



Michael Grady, Manager
Quality Control
Milwaukee, WI US

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