

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:

Silver, dispersion – nanoparticle, 50–60 wt. % in tetradecane, spec. resistivity ~2.7  $\mu\Omega$ -cm, for printing on polyimide films

Product Number: 736503

Ag

Formula: Ag  
Formula Weight: 107.87 g/mol  
Storage Temperature: 2 - 8 °C

TEST	Specification
Appearance (Color)	Very Dark Blue to Black
Appearance (Form)	Suspension
ICP Major Analysis	Confirmed
Confirms Silver Component	
Proton NMR spectrum	Conforms to Structure
Solid Content	50 - 60 %
Viscosity	Confirmed
Approximately 7-14 cp	
Surface Tension (dyn/cm)	27 - 31
Approximately	
Assay	Confirmed
Curing Condition: 250 Deg C/30~ 60 min	
Recommended Retest Period	-----
9 month	

Specification: PRD.0.ZQ5.10000076666

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](http://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.