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Certificate of Analysis

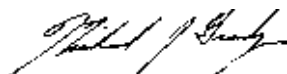
Product Name:

Silver, dispersion – nanoparticle, 30–35 wt. % in triethylene glycol monomethyl ether, spec. resistivity 11 μΩ-cm, for printing on plastic films

Product Number: 736465
Batch Number: MKCC3518
Brand: ALDRICH
Formula: Ag
Formula Weight: 107.87 g/mol
Storage Temperature: Store at 2 - 8 °C
Quality Release Date: 23 JAN 2017
Date Retested: 06 OCT 2017
Recommended Retest Date: JUL 2018

Ag

Test	Specification	Result
Appearance (Color)	Grey	Grey
Appearance (Form)	Suspension	Suspension
ICP Major Analysis	Confirmed	Confirmed
Confirms Silver Component		
Proton NMR Spectrum	Conforms to Structure	Conforms
Solid Content	30 - 35 %	33 %
Viscosity	Confirmed	Confirmed
Approximately 10-18 cp		
Surface Tension (dyn/cm)	35 - 40	37
Approximately		
Assay	Confirmed	Confirmed
Curing Condition: 120~ 150 Deg C/ 30~ 60 min		
Recommended Retest Period	-----	-----
9 month		



Michael Grady, Manager
 Quality Control
 Milwaukee, WI US

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.