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Product Specification

Product Name:

Silver, dispersion – nanoparticle, ≤50 nm particle size, 30–35 wt. % in triethylene glycol monoethyl ether, spec. resistivity ~2 μΩ-cm, for printing on ITO and glass

Product Number: **736481****Ag**Formula: Ag
Formula Weight: 107.87 g/mol
Storage Temperature: 2 - 8 °C

| TEST | Specification |
|--|-----------------------|
| Appearance (Color) | Grey |
| Appearance (Form) | Suspension |
| ICP Major Analysis | Confirmed |
| Confirms Silver Component | |
| Proton NMR spectrum | Conforms to Structure |
| Solid Content | 30 - 35 % |
| Viscosity | Confirmed |
| 10~ 18 cp | |
| Surface Tension (dyn/cm) | 30 - 50 |
| Miscellaneous Assay | Confirmed |
| Curing Condition: > = 400 Deg C/30~ 60 min | |
| Recommended Retest Period | ----- |
| 2 years | |

Specification: PRD.1.ZQ5.10000027080

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.