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## Product Specification

Product Name:

Titanium(IV) oxide, mixture of rutile and anatase – nanoparticle, <250 nm particle size (DLS), paste, 53–57 wt. % in diethylene glycol monobutyl ether/ethylene glycol, 99.9% trace metals basis

Product Number:

700355



Formula:

O<sub>2</sub>Ti

Formula Weight:

79.87 g/mol

| TEST                                 | Specification            |
|--------------------------------------|--------------------------|
| Appearance (Color)                   | White                    |
| Appearance (Form)                    | Conforms to Requirements |
| Liquid or Paste or Suspension        |                          |
| Solid Content                        | 53.0 - 57.0 % wt         |
| 2 Hours at 600 Degrees Celsius       |                          |
| Viscosity                            | ≤ 1.5 MPa                |
| 20 Degrees Celsius, 100 s-1          |                          |
| Density                              | 1.6 - 2.0 g/ml           |
| Particle Size                        | ≤ 250 nm                 |
| ICP Major Analysis                   | Confirmed                |
| Confirms Titanium Component          |                          |
| Purity                               | Meets Requirements       |
| 99.9% Based On Trace Metals Analysis |                          |
| Trace Metal Analysis                 | ≤ 1500.0 ppm             |

Specification: PRD.1.ZQ5.10000056677

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.