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Product Specification

Product Name:

Silicon dioxide, alumina doped – nanoparticles, dispersion, <50 nm particle size, 20 wt. % in H₂O, 99.99% trace metals basis

Product Number:

701491

SiO₂ / Al₂O₃

Formula:

O₂Si

Formula Weight:

60.08 g/mol

TEST	Specification
Appearance (Color)	White to Faint Yellow
Appearance (Form)	Suspension
pH	Conforms
4-6; c = Neat	
Size	Conforms
Average Particle Size: < 50 nm (BET)	
Miscellaneous Assay	Conforms
Dispersion Loading: 20 Wt. %	
Product of Supplier	Confirmed
Engi-Mat Co.	
ICP Major Analysis	Confirmed
Confirms Si and Al Components	
Purity	Meets Requirements
99.99% Based On Trace Metals Analysis	
Trace Metal Analysis	≤ 150.0 ppm

Specification: PRD.4.ZQ5.10000005003

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.