

Technical Data Sheet

Titanium Oxide nano powder, coated with SiO₂

Revision Date: 11/7/2025

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

Product name	Titanium oxide nano powder, rutile, 20 – 40 nm coated with SiO ₂
Product code	NO-0066-HP
CAS	1317-80-2
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)151-41255671

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Titanium(IV) oxide
CAS No.	1317-80-2
Empirical Formula	TiO ₂
Molecular weight	79.90 g/mol
Purity	99%
Morphology	spherical
Average Particle Size	20 - 40 nm
Specific Surface Area	> 40 m ² /g
True Density	4.23 g/cm ³
Crystallographic phase	rutile (tetragonal)

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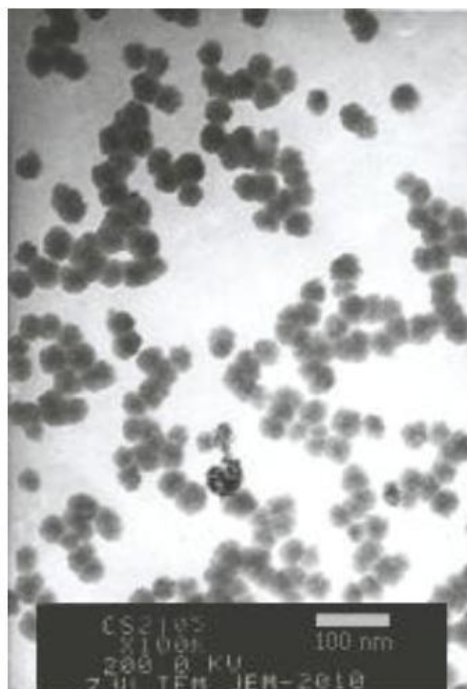
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SiO₂ content	2-3 wt%
Melting point	1840°C
Boiling point	2970°C

3 CONTENT OF IMPURITIES

Impurity	Content
Al	< 100 ppm
Ca	< 100 ppm
Hg	< 0.5 ppm
Mg	< 100 ppm
Nb	< 150 ppm

4 TEM IMAGE



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5 OTHER INFORMATION

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