

Technical Data Sheet

Titanium(IV) oxide, rutile

Revision Date: 11/7/2025

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

Product name	Titanium(IV) oxide, rutile
Product code	NO-0051-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, rutile
CAS No.	1317-80-2
Empirical Formula	TiO ₂
Molecular weight	79.87 g/mol
Purity	99%
Morphology	ellipsoidal & spherical
Average Particle Size	200 nm
Specific Surface Area	7 m ² /g
True Density	4.23 g/cm ³
Bulk Density	0.5 – 0.7 g/cm ³
Boiling point	2500 - 3000 °C
Melting point	1840 °C

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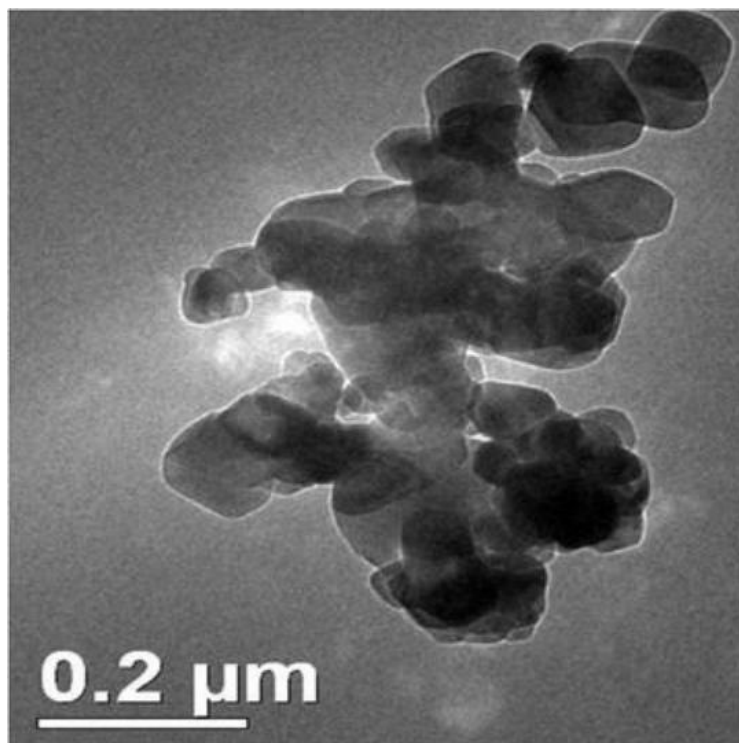
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3 CONTENT IMPURITIES

Impurity	Content
Fe	$\leq 0.005 \%$
K	$\leq 0.01 \%$
Na	$\leq 0.01 \%$

4 TRANSMISSION ELECTRON MICROSCOPY



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5 OTHER INFORMATION

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