

Technical Data Sheet

Silicon carbide

Revision Date: 8/18/2025

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

Product name	Silicon carbide
Product code	NC-0008-HP
CAS	409-21-2
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	Silicon carbide
CAS No.	409-21-2
Empirical Formula	SiC
Molecular weight	40.10 g/mol
Purity	>99%
Crystallographic phase	cubic
Polytype	β
Color	grayish white
Average Particle Size	40 nm
Bulk density	0.03-0.06 g/cm ³
True Density	3.216 g/cm ³

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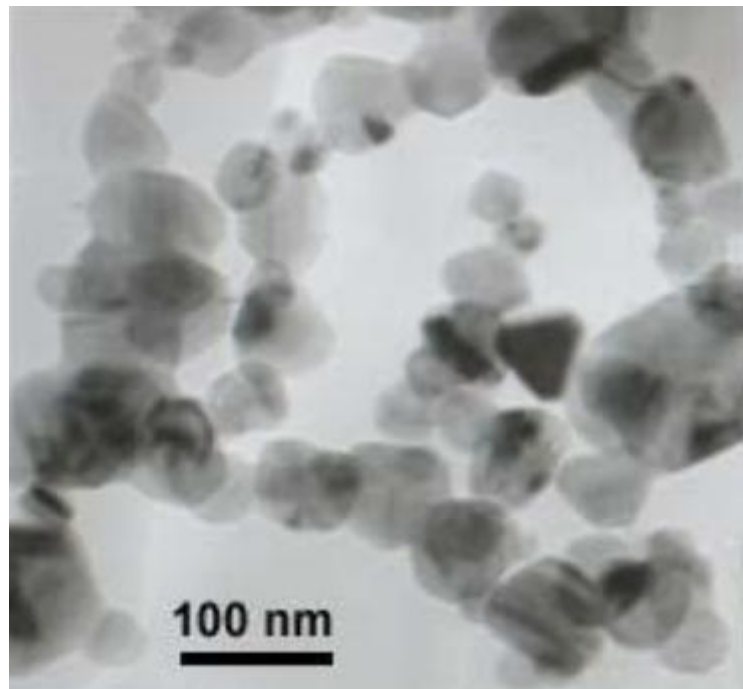
Making Method

Plasma CVD

3 CONTENT OF IMPURITIES

Impurity	Content
Si	<0.15%
C	<0.15%
Cl	$\leq 0.1\%$
O	$\leq 0.6\%$

4 TEM IMAGE



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5 OTHER INFORMATION

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