

Technical Data Sheet

Boron nitride

Revision Date: 11/4/2025

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

Product name	Boron nitride powder
Product code	NC-0007-HP
CAS	10043-11-5
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	Boron nitride
CAS No.	10043-11-5
Empirical Formula	BN
Molecular weight	24.82 g/mol
Purity	99%
Crystallographic phase	hexagonal
Color	white
Average Particle Size	137 nm
Specific Surface Area	19.4 m ² /g
Bulk density	0.30 g/cm ³
True density	2.25 g/cm ³

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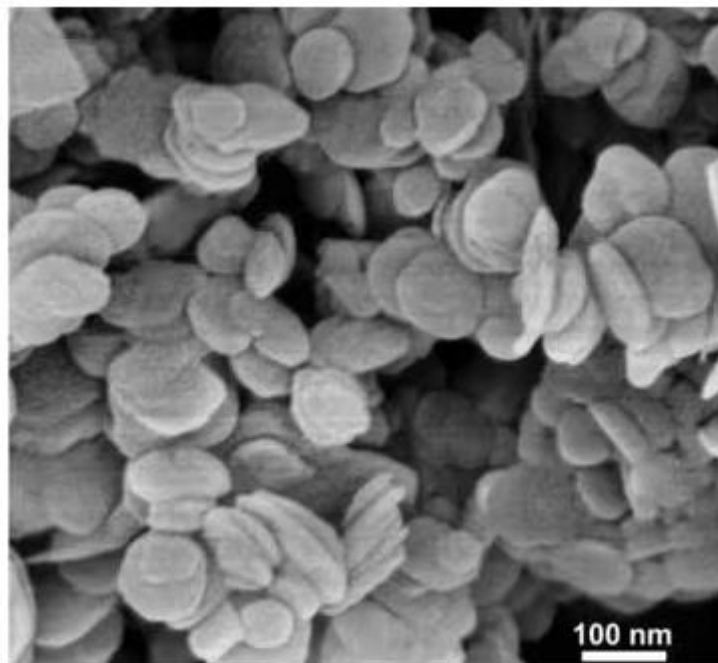
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3 CONTENT OF IMPURITIES

Impurity	Content
CaO	$\leq 0.01\%$
B ₂ O ₃	$\leq 0.3\%$
Fe ₂ O ₃	$\leq 0.01\%$
MgO	$\leq 0.02\%$
Na ₂ O	$\leq 0.05\%$

4 TEM IMAGE



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5 OTHER INFORMATION

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