

Technical Data Sheet

Magnesium(II) oxide with stearic acid

Revision Date: 11/7/2025

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

Product name	Magnesium(II) oxide with stearic acid
Product code	NO-0048-HP
CAS	1309-48-4
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	Magnesium(II) oxide
CAS No.	1309-48-4
Empirical Formula	MgO
Molecular weight	40.30 g/mol
Purity	99.9 %
Morphology	polyhedral
Average Particle Size	10 – 30 nm
Specific Surface Area	~ 50 m ² /g
True Density	3.58 g/cm ³
Bulk Density	0.13 – 0.16 g/cm ³
Melting point	2852°C

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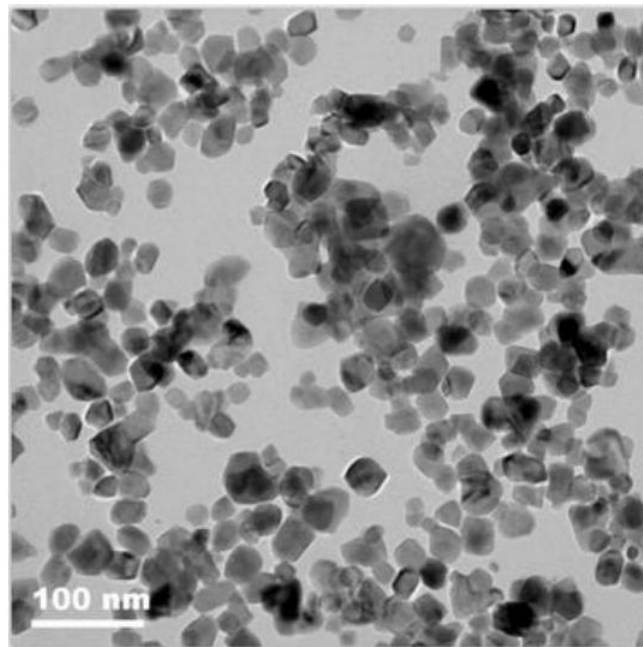
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3 CONTENT IMPURITIES

Impurity	Content
Ca	$\leq 0.001 \%$
Cl	$\leq 0.05 \%$
Fe	$\leq 0.005 \%$
Si	$\leq 0.02 \%$
B	$\leq 0.0005 \%$

4 TRANSMISSION ELECTRON MICROSCOPY



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5 OTHER INFORMATION

DISCLAIMER

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