

# Technical Data Sheet

## Chromium powder

Revision Date: 8/15/2025

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

<b>Product name</b>	Chromium powder
<b>Product code</b>	NM-0006-HP
<b>CAS</b>	7440-47-3
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131 - 898390
<b>Fax</b>	+49 (0)7131 - 89839109
<b>Emergency telephone</b>	+49 (0)151-41255671

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredient name</b>	Chromium
<b>CAS No.</b>	7440-47-3
<b>Empirical Formula</b>	Cr
<b>Molecular weight</b>	107.87 g/mol
<b>Purity</b>	99.5%
<b>Morphology</b>	~ spherical
<b>Average Particle Size</b>	50 nm
<b>Relative Density</b>	7.19 g/cm <sup>3</sup>
<b>Melting point</b>	1875°C
<b>Boiling point</b>	2482°C

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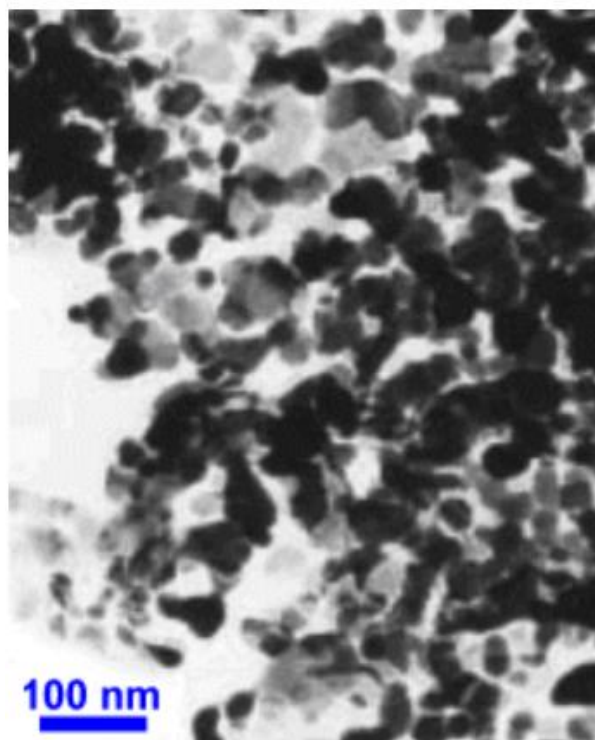
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### 3 CONTENT OF IMPURITIES

Impurity	Content
Ca	0.002 wt%
Cu	0.005 wt%
Fe	0.1 wt%
Na	0.05 wt%
Ni	0.05 wt%
O	0.1 wt%
Pb	0.0003 wt%
Si	0.1 wt%

### 4 TEM IMAGE



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### 5 OTHER INFORMATION

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