

Iron powder

Revision Date:8/18/2025

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

Product nameIron powderProduct codeNM-0029-UPCAS7439-89-6

Supplier loLiTec

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2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name Iron powder CAS No. 7439-89-6

Empirical Formula Fe

Molecular weight 55.85 g/mol

Purity 99.7%
O content ~ 5.0%
Morphology spherical

Average Particle Size 60-80 nm (TEM)

Specific Surface Area7 m²/g (BET)Relative Density7.87 g/cm³Bulk Density0.5 g/cm³

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Melting point 1535°C

3 CONTENT OF IMPURITIES

Impurity	Content
Cu	400 ppm
Ni	300 ppm
Al	200 ppm
Са	50 ppm
Cr	50 ppm
Мо	50 ppm
Ti	50 ppm
Si	30 ppm
Sn	30 ppm
Pb	20 ppm
Mg	10 ppm
Mn	10 ppm

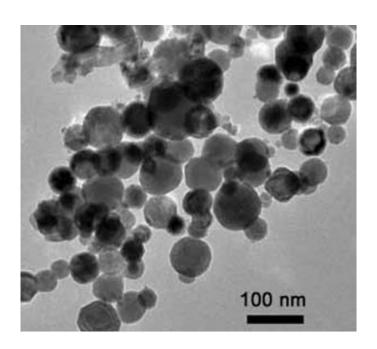
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4 TEM IMAGE



5 OTHER INFORMATION

DISCLAIMER

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