

Technical Data Sheet

Gold nanopowder

Revision Date: 03-02/2007

Date Issued: 03-02/2007

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

Product name	Gold Powder, 99.99%
Product code	NM-0002-UP
Supplier	IoLiTec Ionic Liquids Technologies GmbH & Co KG Ferdinand-Porsche-Straße 5/1 D-79211 Denzlingen Germany
Fax	+49 (0)7666 - 9129345
Emergency telephone	+49 (0)179-5322578

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Gold
Synthesis method	Plasma Assisted Physic Vapor Deposition
CAS No.	7440-57-5
Empirical Formula	Au
Molecular weight	196.97 amu
Purity	99.99 %
Average Particle Size	50 - 150 nm (from Surface Specific Area)
Specific Surface Area	3.3 m ² /g
Colour	dark brown
Morphology	spherical
Bulk Density	1.1-1.4 g/cm ³
True Density	19.32 g/cm ³

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3 SPECIFICATIONS

Components	Contents [%]
Ag	≤ 0.002
As	≤ 0.001
Cd	≤ 0.003
Cu	≤ 0.0005
Fe	≤ 0.002
Pb	≤ 0.0005
Sb	≤ 0.001

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4 TRANSMISSION ELECTRON MICROSCOPY

Not available

5 X-RAY DIFFRACTION PATTERN

Not available

6 ORDER INFORMATION

7 OTHER INFORMATION

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