Technical Data Sheet

Tungsten nanopowder, 40-60 nm

Revision Date: 08/14/2019
Date Issued: 08/14/2019

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

Product name	Tungsten nanopowder
Product code	NM-0033-HP
Supplier	IoLiTec
	Ionic Liquids Technologies GmbH
	Salzstrasse 184
	D-74076 Heilbronn
	Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)176 - 84850874

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Tungsten powder
Empirical Formula	W
CAS No.	7440-33-7
Molecular weight	183.84 amu
Purity	99.9 %, surface coated (0.3 wt% oleic acid)
Average Particle Size	40-60 nm
Specific Surface Area	~8 m^2/g
Colour	black
Morphology	Spherical
Bulk Density	3.3-4.1 g/cm^3
True Density	19.25 g/cm^3
Melting point	3422°C

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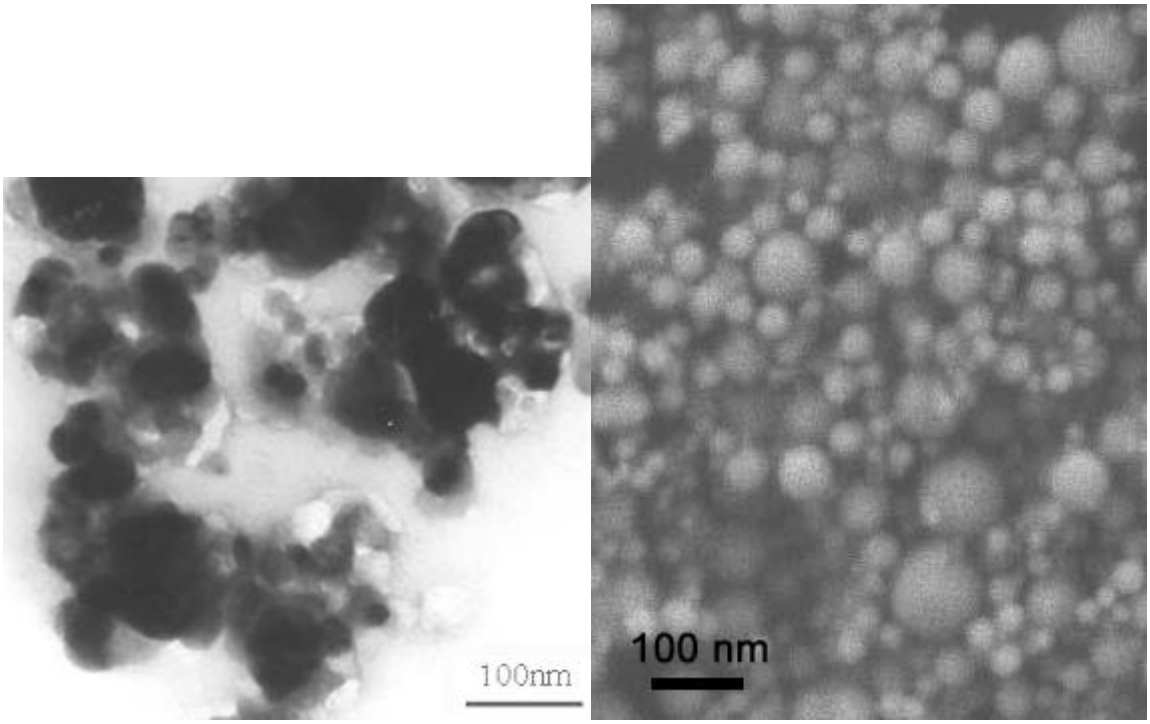
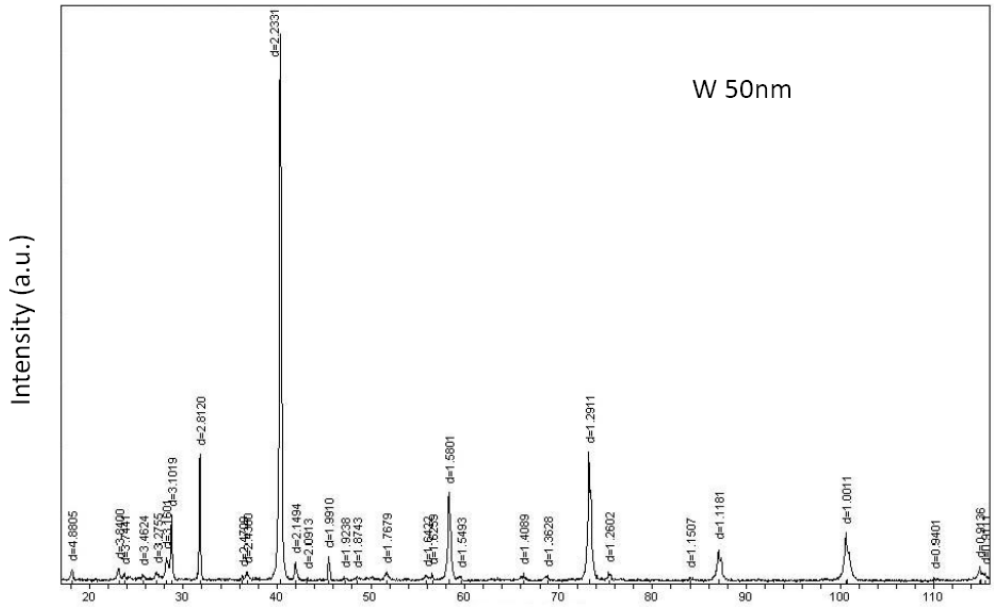
3 ELECTRON MICROSCOPY



4 X-RAY DIFFRACTION PATTERN



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5 OTHER INFORMATION

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