

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	47120
Product	Tungsten nanopowder (80~100 nm)
Lot Number	003344-9821-061724
CAS Number	7440-33-7
Molecular Formula	W
Molecular Weight	183.84

Appearance	Black nanopowder
Density	Bulk density 2.8 g/cm ³ , True density 19.5 g/cm ³
Mesh Size	APS 90 nm, SSA ~8m ² /g
Related Substances	Trace metals analysis : Mo : 26 ppm, Al : 12 ppm, As : 8 ppm, Ca : 5 ppm, Fe : 15 ppm, Mg : 4 ppm, Si : 3 ppm, Na : 8 ppm, Ni : 5 ppm, Mn : 5 ppm, Pb : 5 ppm, K : 57 ppm
Purity	> 99.9% (Trace metals basis)
Storage	Store at RT
Additional Information	Morphology : Spherical
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager