

## PRODUCT TEST CERTIFICATE

Product Name	Spherical Tungsten (W) Powder	Purity	W $\geq$ 99.9%	Type	5-25 $\mu$ m
<b>Trace Metallic Impurities</b>					
Element	Value (%)	Element	Value (%)	Element	Value (%)
Cr	0.0006	Ni	0.0005	Cd	0.0001
As	0.0005	Sn	0.0001	Cu	0.0001
Si	0.0005	Mn	0.0005	Ti	0.0005
Al	0.0005	Co	0.0005	P	0.0005
Fe	0.0010	Bi	0.0001	K	0.0005
Sb	0.0005	Mo	0.0016	Na	0.0003
Pb	0.0001	Ca	0.0005		
Mg	0.0005	V	0.0005		
<b>Nonmetallic Impurities</b>					
Element	Value(%)	Element	Value(%)		
C	0.0005	O	0.0100		
S	0.0008	N	0.0003		
<b>Density</b>			<b>Hall Flow Rate</b>		
Apparent Density (g/cm <sup>3</sup> )	Tap Density (g/cm <sup>3</sup> )	Value(s/50g)			
10.19	11.11	6.5			
SEM					