

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by ICG. Certificate Number. 110212Q

Catalogue Number	044210
Lot Number	62500229
Description	Tungsten powder, APS <1 micron, 99.95% (metals basis)
CAS Number	7440-33-7
Quality Test/Release Date	17/Apr/2025
Suggested retest date	17/Apr/2030
Country of Origin	NETHERLANDS
Declaration of Origin	Synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Cadmium (Cd)	%	0.00005	0.00005
Tin (Sn)	%	0.00005	0.00005
Lead (Pb)	%	0.00006	0.00006
Bismuth (Bi)	%	0.00006	0.00006
Copper (Cu)	%	0.0001	0.0001
Magnesium (Mg)	%	0.0002	0.0002
Antimony (Sb)	%	0.0002	0.0002
Manganese (Mn)	%	0.0002	0.0002
Nickel (Ni)	%	0.0003	0.0003
Aluminium (Al)	%	0.0005	0.0005
Phosphorus (P)	%	0.0005	0.0005
Sodium (Na)	%	0.0006	0.0006
Calcium (Ca)	%	0.0007	0.0007
Arsenic (As)	%	0.0007	0.0007
Potassium (K)	%	0.0007	0.0007
Silicon (Si)	%	0.0008	0.0008
Iron (Fe)	%	0.0010	0.0010
Molybdenum (Mo)	%	0.0010	0.0010
Carbon (C)	%	0.0045	0.0045
Oxygen (O)	%	0.2200	0.2200
Total Metal Impurities	%	0.05% max.	0.05
Particle Size		<1 micron APS	<1 micron



Ronald Becht
Technical Support Manager

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

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