



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

GLOBAL TUNGSTEN & POWDERS LLC
MATERIALS ANALYSIS LABORATORIES
1 Hawes Street
Towanda, PA 18848
Janet Otis Phone: 570 268 5536

MECHANICAL

Valid To: December 31, 2024

Certificate Number: 0342.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on Ceramics, Metals and Alloys:

<u>Test</u>	<u>Method(s)</u>
Hardness	
Rockwell & Superficial (A, B, C, 15N, 30N)	ASTM E18, ASTM B294
Microhardness (Vickers 300g)	ASTM E384, ASTM B933
Vickers (15 kgf) (30 kgf)	ASTM E384, ASTM E92
Metallography	
Grain Size	ASTM E112
Microetching	ASTM E407
Microstructure	GTP TPM 0050*
Sample Preparation	ASTM E3, ASTM E1920, ASTM B925
Physical Properties	
Density	ASTM B331, ASTM B329, ASTM B311, ASTM B923
Particle Size Distribution	ASTM B822, ASTM B821, ASTM B859
Surface Area	ASTM B922, ASTM C1274
Tension (RT – 1300 °C, <= 60 klbs)	
Compression	ASTM E9
Tensile	ASTM E8/E8M, ASTM E21, ASTM C633
Transverse Rupture Strength	ASTM B406, ASTM B528, ASTM B312

* In-House Method

(A2LA Cert. No. 0342.02) Revised 03/30/2023

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Accredited Laboratory

A2LA has accredited

GLOBAL TUNGSTEN & POWDERS LLC

Towanda, PA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 23rd day of March 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0342.02
Valid to December 31, 2024
Revised March 30, 2023

For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.