



SCOPE OF ACCREDITATION TO ISO/IEC 17025:20

ELEMENT MATERIALS TECHNOLOGY NEW BERLININC.

3200 South 166th Street035.82-9 (NC)-1 (.2M0 0 Td [(17)11 ( )])TJ ET2M0



Test Technology	Scale Range	Test Method(s) <sup>3</sup>	Third Party Documents
<u>Impact Testing</u>			
Izod Impact		PM-14	ASTM D256 (Methods A, C, D, E)
Unnotched Impact		PM-14	ASTM D4812
High Speed Puncture Properties		PM-15	ASTM D3763
Tup/Falling Mass			ASTM D5628
<u>Microhardness</u>			
Knoop	100, 200, 300, 500 g		ASTM B578, E384; ISO 9015, 90152, 65071
Vickers	100, 200, 300, 500 g		ASTM B578, E384; ISO 9015, 90152



Test Technology	Scale Range	Test Method(s) <sup>3</sup>	Third Party Documents
<u>Corrosion Tests Cont.</u>			
Xenon Arc			ASTM D2565, D4355, D4459, D5071, D6551, D6695, D7869, G155; GM9327P (Superseded 2012 <sup>2</sup> ); SAE J2412, J2527
Corrosion Resistance:			
Susceptibility, Dezincification Resistance			ISO 65091
Intergranular Corrosion Resistance			ASTM A262 (Practice A & E), A763, G28
Environmental Compatibility:			
Humidity			ASTM D1735, D2247, D4585; GMW14729
Salt Spray (Fog) Modified Salt Spray (Fog)			ASTM B117; ISO 9227 ASTM G85 (A1, A2, A3, A5); ISO 9227

Test Technology	Scale Range	Test Method(s) <sup>3</sup>	Third Party Documents
<u>Welding and Brazing Performance (Operator) and Procedure Qualification Tests</u>			
Bend			API STD 1104; AWS B2.1, B2.2, B4.0, D1.1, D1.2, D1.5, D3.6M, D14.1, D14.3, D14.4, D14.5, D14.6, D17.1/17.1M, D18.1; ASME Sec. IX; ISO 5173, 9606-1, 9606-2, 15614-1, 15614-2, 15614-13, 156142; MIL-STD-248D (Superseded 1997) NAVSEA S9074AQ-GIB-010/248
Break (Fillet Weld)			API STD 1104; ASME Sec. IX; AWS B4.0, D1.1, D1.2, D3.6M, D14.1, D14.3, D14.4, D14.5, D14.6, D17.1/17.1M; ISO 9606-1, 9606-2; MIL -STD-248D (Superseded 1997) NAVSEA S9074AQ-GIB-010/248
Hardness			API STD 1104; AWS B4.0, D3.6M, D8.9M, D14.3; BS EN ISO 14271, 15614-1, 15614-2; MIL-STD-248D (Superseded 1997) NAVSEA S9074AQ-GIB-010/248
Impact			AASHTO/AWS D1.5, D14.1, D14.6 ASME Sec. IX; AWS D1.1, D3.6M, D17.1/17.1M; BS EN ISO 9016; DIN EN 19921-1/NA; MIL -STD-248D (Superseded 1997) NAVSEA S9074AQ-GIB-010/248
Macroetch			ANSI/AASHTO/AWS D1.5; ANSI/AWS D1.2, D1.4, D14.1, D14.4, D14.5, D14.6, D15.1; API STD 1104; ASME Sec. IX; AWS B2.1, B2.2, D1.1, D3.6M, D14.3, D17.1/D17.1M; BS EN ISO 15614-1; DIN EN ISO 17639; ISO 9606-1, 156142; MIL-STD-248D (Superseded 1997) NAVSEA S9074AQ-GIB-010/248
Metallographic			ASME Sec. IX; AWS D1.1, D8.9M, D17.1/D17.1M, D17.2/17.2M; BS EN ISO 15614-1, 15614-2, 1561412; DIN EN ISO 17639
Shear			AWS B2.1, B2.2, B3.6M, B4.0, D8.9M, D17.2/17.2M; ASME Sec. IX; EN ISO 14273; ANSI/AWS C3.2, D1.2, D1.3

(A2LA Cert. No. 0098.0) 0





# Accredited Laboratory

A2LA has accredited

## ELEMENT MATERIALS TECHNOLOGY NEW BERLIN INC.

*New Berlin, WI*

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 28<sup>th</sup> day of November 2022.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 0098.02  
Valid to August 31, 2024  
Revised September 11<sup>th</sup>, 2023

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