

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY DETROIT – WIXOM 51229 Century Court Wixom, MI 48393-2074 Nicholas Piwowar Phone: 248 960 4900

MECHANICAL

Valid To: May 31, 2025 Certificate Number: 0098.07



Test Technology	Test Method(s)
Axial Strain Controlled Low Cycle Fatigue at Ambient and Elevated Temperatures (Up to 425 °C)	ASTM E606/E606M; GMW16704, GMW16705
Hardness	
Brinell (2.5 mm ball @ 62.5kgf &187.5 kgf load,	ASTM E10, ASTM A370, ASTM E140
5mm ball @ 150kgf & 750kg, 10 mm ball @	
500, 1000, 1500kgf & 3000 kgf load)	

Rockwell (A, B, C, E, F,)

ASTM E18, ASTM A370

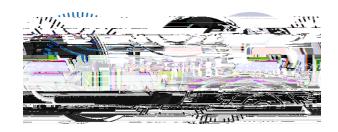


Test Technology	Test Method(s)
Failure Analysis	Using the methods listed on this Scope and
·	Scope 0098.08 in accordance with the ASM
	Handbook, Volume 11
Acceptability of Electronic Assemblies	IPC-A-610
Decarburization/Depth	SAE J419; ASTM E1077
Other	
Heat Treat	SOP TE-21
Surface Roughness (0.1 µin to 3 200 µin)	JIS B0601; DIN/ISO 4287, DIN/ISO 4288;
	ANSI B46.1
Etch Susceptibility of Stainless Steel	GMW15284
Gasoline Drip/Puddle Resistance	GMW14333
Oil Resistance	GMW14671
Cure (Solvent Rub)	GMW15891
Environmental Exposure and Corrosion	

Salt Spray (Fog)

WANSTVA. BS 508C8M(42/98P; Z6MIN(90472243) 608q89 (18) 5.1





Mechanical Testing

This laboratory is accredited in accordance with the recognized Internati onal 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 12th day of May 2023.

Mr. Trace McInturff, Vice President, Accreditation Services

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