



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: February 28, 2021

Certificate Number: 5669.06

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

<u>Test:</u>	<u>Test Method(s):</u>
<u>Austenitic Stainless Steels and Wrought, Nickel Rich, Chromium Bearing Alloys:</u>	
Susceptibility to Inter-granular Corrosion	ASTM A262 Practice E
Pitting and Crevice Corrosion	ASTM G48 Method A & C
<u>Nickel Base Alloys:</u>	
Susceptibility to Inter-granular Corrosion	ASTM G28 Method A
<u>Iron, Steels and Other Ferrous Metals:</u>	
Bend	BS EN ISO 7438
<u>Hardness:</u> Vickers (HV5, 10 & 30)	BS EN ISO 6507-1; ASTM E92
Charpy Impact (77K to ambient)	ASTM E23; ASTM A370
Tensile at Ambient Temperature (Forces up to 1000 kN)	BS EN ISO 6892-1; ASTM A370-17
<u>Metallurgical Testing:</u> Phase Volume Fraction	ASTM E562
<u>Carbon Steel Bars for the Reinforcement of Concrete:</u>	
Bend	BS 4449:1988 (Withdrawn) ¹ ; ASTM A615/A615M
Rebend	BS 4449:1988 (Withdrawn) ¹ ; BS 4449; BS EN ISO 15630-1
Tensile	BS 4449:1997 (Withdrawn) ¹ ; BS 4449; ASTM A615/A615M; BS EN ISO 15630-1

<u>Test:</u>	<u>Test Method(s):</u>
<u>Plain Carbon and Low Carbon Steels:</u>	
Charpy Impact Test (-196°C and -101°C to ambient)	BS EN ISO 148-1
<u>Manhole Tops:</u>	
Loading	BS EN 124-1
<u>Carbon and Low Alloy Steels:</u>	
Chemical Analysis: (Al, B, C, Cr, Cn, Cu, Mn, Mo, N, Nb, Ni, P, S, Si, Sn, Ti, W, V)	EMT-M-OP-CH-MCT-MD101 using the SpectroMaxx M Optical Emission Spectrometer
<u>Steel Strand:</u>	
Tensile	BS 5896; BS EN ISO 6892-1; ASTM A779/A779M; ASTM C1061; BS EN 15630-1
<u>Weldments:</u>	
Bend, Fillet Weld Fracture and Nick Break, Hardness, Impact, Tensile, Macro and Microstructure in Accordance with Specific Welding Codes	ISO 5173; BS EN ISO 9017; BS EN ISO 9015-1; BS EN ISO 4136; BS EN ISO 5178; BS EN ISO 17639; BS 4515-1; BS 4515-2; BS EN ISO 15614-1; BS EN ISO 15614-2; BS EN 287-1; ISO 5817; BS EN ISO 9606-2; ASME IX; API 1104; AWS D1.1/D1.1M

¹ This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.



Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY ME LIMITED LLC

Muscat, Oman

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 12th day of November 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5669.06
Valid to February 28, 2021

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