

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY ME LIMITED ABU DHABI

Plot no. 27A17, Workshop 2, ICAD III, Mussafah South Abu Dhabi, United Arab Emirates Jeneiliza Gayoba Phone: +971 (0)2 558 1031

Email: me.calibration@element.com

CALIBRATION

Valid To: February 28, 2025 Certificate Number: 5669.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations 1,7 :

I. Dimensional

Parameter/Equipment	Range	CMC ² (±)	Comments
Length – Extensometers ³			
Class 0.2 from 25 mm Class 0.5 from 10 mm Class 1 from 5 mm Class 2 from 5 mm	(0.01 to 50) mm	1.7 μm	BS EN ISO 9513
Class A from 15 mm Class B-1 from 1 mm Class B-2 from 1 mm Class C from 1 mm			ASTM E83
Micrometer External ³	Up to 25 mm	2.0 μm	JIS B 7502
Calipers ³	Up to 300 mm	21 μm	JIS B 7507
Dial Gauges ³	Up to 25 mm	1.2 μm	JIS B 7503 and ISO 463, errors of indication, repeatability and hysteresis only

(A2LA Cert. No. 5669.03) 03/20/2023

Page 1 of 4

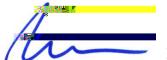
Parameter/Equipment	Range	CMC ^{2, 6} (±)	Comments	
Linear – Measure ³	Up to 25 mm using micrometer	0.04 mm	Linear measurement using micrometer, caliper, or steel rule	
	Up to 300 mm using caliper	0.07 mm	ompos, or soor rure	
	Up to 1000 mm using steel rule	1.0 mm		

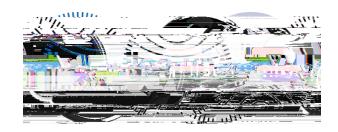
II. Mechanical

Parameter/Equipment	Range	CMC ^{2, 5, 6} (±)	Comments
Force – Universal Testing Machines ³			
Class 0.5, 1, 2, and 3	(0.20 to 500) kN	0.27 %	BS EN ISO 7500-1 and ASTM E4
Class 1, 2, and 3	0.20 kN to 3 MN	0.35 %	BS EN ISO 7500-1 and ASTM E4
Concrete Cube Testing Machines ³			
Class 0.5, 1, 2, and 3	(0.20 to 500) kN	0.27 %	BS EN ISO 7500-1
Class 1, 2, and 3	0.20 kN to 3 MN	0.35 %	BS EN ISO 7500-1 ⁴
Flatness of Platens and Spacing Blocks	(10 to 300) mm	0.01 mm	BS EN 12390-4 and BS 1881-115 (superseded) ⁴
Force – Measuring Equipment ³	(0.20 to 100) kN	0.33 %	BS 1377-1



Parameter/Equipment	Range	$\mathrm{CMC}^2(\pm)$	Comments
Mass – Non-Automatic Weighing Machines ³	100 g 200 g 500 g	0.18 mg 0.35 mg 0.90 mg	Weights are available in OIML class. E2 from 1 mg to 500 mg, max grouped load 1 g. F2
	1 kg 2 kg 5 kg 10 kg 20 kg 50 kg 100 kg	2.7 mg 3.6 mg 9.0 mg 28 mg 360 mg 730 mg 1.3 g	from 1 g to 10 kg, max grouped load 15 kg. M1 20 kg max grouped load 100 kg. Other loads within the overall listed range may also be used. Weighing machines can be calibrated to ASTM E898





Accredited Laboratory

A2LA has accredited

ELEMENT MCb

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 laboratory also meets R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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).



