



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<sup>1, 7</sup>:

I. Dimensional

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

Parameter/Equipment	Range	CMC <sup>2, 6</sup> (±)	Comments
Linear – Measure <sup>3</sup>	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	
	Up to 1000 mm using steel rule	1.0 mm	

## II. Mechanical

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 BS EN 12390-4 and BS 1881-115 (superseded) 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

Parameter/Equipment	Range	CMC <sup>2</sup> (±)	Comments
Mass – Non-Automatic Weighing Machines <sup>3</sup>	100 g	0.18 mg	Weights are available in OIML class. E2 from 1 mg to 500 mg, max grouped load 1 g. F2 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 r
	200 g	0.35 mg	
	500 g	0.90 mg	
	1 kg	2.7 mg	
	2 kg	3.6 mg	
	5 kg	9.0 mg	
	10 kg	28 mg	
	20 kg	360 mg	
	50 kg	730 mg	
	100 kg	1.3 g	

A handwritten signature in blue ink is positioned over a horizontal bar. The bar is divided into two sections: a yellow section on the left and a blue section on the right. The signature is a cursive-style name.



# 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).



For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.