



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY ME LIMITED ABU DHABI

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CONSTRUCTION MATERIALS

Valid To: February 28, 2025

Certificate Number: 5669.02

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

<u>Test:</u>	<u>Test Method(s):</u>
<u>Aggregates:</u>	
BS 812-2	Particle density and water absorption for aggregate 10mm nominal size and smaller .
BS 812-2	Particle density and water absorption for aggregate all larger than 10mm
BS 812-2	Particle density and water absorption for aggregate between 40mm and 5mm
BS 812-102 <sup>1</sup>	Sampling coarse, fine, and all-in aggregates - from heaps - from a lorry-load - from laid material
BS 812-103.1	Particle size distribution - washing and sieving - dry sieving
BS 812-105.1	Flakiness index
BS 812-105.2	Elongation index
BS 812-109	Moisture content - oven dry method
BS 812-110	Aggregate crushing value - particle size 10mm and greater
Ten per cent fines value - dry - particle size 10mm and greater	BS 812-111
BS 812-112	Aggregate impact value - dry
BS 812-117 Appendix C	Acid soluble chloride salt content
BS 812-118	Total sulphate content by acid extraction

<b><u>Test:</u></b>	<b><u>Test Method(s):</u></b>
<b><u>Aggregates (continued)</u></b>	
ASTM C117	Materials finer than 75µm (No 200) in mineral aggregates by washing
ASTM C127	Specific gravity and absorption of coarse aggregates
ASTM C128	Specific gravity and absorption of fine aggregates
ASTM C131/C131M	Resistance to degradation of small-size coarse aggregate by abrasion and impact in the Los Angeles Machine
ASTM C136/C136M	Sieve analysis of fine and coarse aggregates
ASTM C142/C142M	Clay lumps and friable particles in aggregates
ASTM C535	Resistance to degradation of large-size coarse aggregate by abrasion and impact in the Los Angeles Machine
ASTM C566	Total evaporable moisture content by drying
<b><u>Bituminous:</u></b>	
ASTM D2726/D2726M	Bulk specific gravity and density of compacted bituminous mixtures
ASTM D3549/D3549M	Thickness of compacted bituminous paving mixture specimens
ASTM D5444	Mechanical size analysis of extracted aggregates
ASTM D6307	Asphalt content of hot-mix asphalt by ignition method
ASTM D6926	Preparation of bituminous specimens using Marshall apparatus
ASTM D6927	Marshall stability and flow
<b><u>Concrete:</u></b>	
BS 1881-101 <sup>1</sup> ; ASTM C172/C172M <sup>1</sup> ; BS EN 12350-1 <sup>1</sup>	Sampling fresh concrete on site
BS 1881-102 <sup>1</sup>	Sampling from initial discharge (slump test)
BS 1881-102 <sup>1</sup> ; ASTM C143/C143M <sup>1</sup> ; BS EN 12350-2 <sup>1</sup>	Slump
BS 1881-114 (Withdrawn) <sup>2</sup>	Density
BS EN 12390-8	Depth of penetration of water under pressure
BS 1881-116, BS 1881-111	Compressive strength of cubes - including curing
BS 1881-122	Water absorption
BS 1881-204 <sup>1</sup>	Location of reinforcement
BS EN 12390-1	Shape and dimension of specimens
BS EN 12390-2, BS EN 12390-3	Compressive strength of cubes - including curing

<b><u>Test:</u></b>	<b><u>Test Method(s):</u></b>
<b><u>Concrete (continued)</u></b>	
BS EN 12390-7	Density
BS EN 12504-1	Compressive strength of cores
BS EN 12504-1 <sup>1</sup>	Cored Specimens - taking
EL-M-OP-CMT-AUH-MD001 <sup>1</sup>	Sampling of concrete by dust drilling
ASTM C1064/C1064M <sup>1</sup> ; BS 5328-4 <sup>1</sup>	Temperature
ASTM C1202	Rapid chloride permeability
RILEM CPC 11.1	Absorption of water by immersion
DIN 1048-5	Water permeability
BS1881-124: Clause 12.1	Acid soluble chloride salt content
BS1881-124: Clause 12.2	Total sulphate content by acid extraction
<b><u>Soils</u></b>	
BS 1377-2: 1990, BS 1377-2:2022; ISO 17892-1:2014+A1:2022	Moisture content - oven drying method
BS 1377-2: 1990, BS 1377-2:2022; ISO 17892-4:2016	Particle size distribution - wet sieving
BS 1377-2: 1990, BS 1377-2:2022; ISO 17892-4:2016	Particle size distribution - dry sieving
BS 1377-2:2022	Dry density/moisture content relationship (4.5 kg rammer)
BS 1377-2: 2022; ASTM D1883	CBR (California Bearing Ratio) of laboratory-compacted soils
BS 1377-9 <sup>1</sup>	In-situ density – sand replacement method (large pouring cylinder)
ASTM D1556/D1556M <sup>1</sup>	Density and unit weight of soil in place by the sand-cone method
ASTM D1557	Laboratory compaction characteristics of soil using modified effort
ASTM D2216	Water (moisture) content
BS 1377-3 Clause 9	Acid soluble chloride salt content
BS 1377-3 Clause 7.9	Total sulphate content by acid extraction
El-M-OP-CH-AUH-MD501	Soluble Salts in Water
EL-M-OP-CH-AUH-MD502	Max Possible Concentration of Gypsum

<sup>1</sup> This laboratory performs field testing activities for these tests.

<sup>2</sup> 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 LIMITED ME ABU DHABI**

*Abu Dhabi, UAE*

for technical competence in the field of

### Construction Materials 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 20<sup>th</sup> day of March 2023.

A blue ink signature of Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5669.02  
Valid to February 28, 2025

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