



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY ME LIMITED LLC

Building No. 2507

Way No. 6033, Block No. 260

Muscat, Oman

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CHEMICAL

Valid To: February 28, 2023

Certificate Number: 5669.04

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on minerals, slags, ores, oxides, and water, cement and construction materials:

Test:	Test Method(s):
Elemental Analysis and Speciation by X-ray Fluorescence - Fused Cast Bead Method including: Gypsum Ore, Iron Ores, Manganese Ores, Limestone, Dolomite, Cement	EMT-M-OP-CH-MCT-MD151 using X-ray Fluorescence Spectroscopy
Fused Cast Bead Pressed Pellet Method for Sulphur and Phosphorous including: Ferro-Chrome Ore, Chrome Ores	
Elemental Analysis of Minerals and Ores using ICP-OES (Al, B, C, Cr, Cn, Cu, Mn, Mo, N, Nb, Ni, P, S, Si, Sn, Ti, W, V)	EMT-M-OP-CH-MCT-MD106B
Water	
Determination of Residual (Free Available) Chlorine by DPD method	EMT-M-OP-CH-MD205
Determination of pH values by the Electrometric Method	EMT-M-OP-CH-MD301
Conductivity	APHA 2150B; EMT-M-OP-CH-MCT-MD201
Alkalinity	APHA 2320; EMT-M-OP-CH-MCT-MD210
Hardness	APHA 2340 C; EMT-M-OP-CH-MCT-MD211
Nitrate	APHA 4500 NO <sub>3</sub> ; EMT-M-OP-CH-MCT-MD315
Fluoride	APHA 4500-F B and APHA 4500-F D; EMT-M-OP-CH-MCT-MD328
Nitrite	US EPA 353.2; EMT-M-OP-CH-MCT-MD317

<b>Test:</b>	<b>Test Method(s):</b>
Phosphate	US EPA 365.1; EMT-M-OP-CH-MCT-MD329
Sulfate	US EPA 375.4; EMT-M-OP-CH-MCT-MD331
<b>Aggregates:</b>	
Acid Soluble Sulfate Content	BS EN 1744-1
Acid Soluble Chloride Content	BS EN 1744-5
<b>Concrete-Hardened:</b>	
Chloride Content	BS 1881-124
Sulfate Content	BS 1881-124

WITHDRAWN



## Accredited Laboratory

A2LA has accredited

**ELEMENT MATERIALS TECHNOLOGY ME LIMITED LLC**

*Muscat, Oman*

for technical competence in the field of

**Chemical 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 22<sup>nd</sup> day of February 2021.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5669.04  
Valid to February 28, 2023

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