



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, 2021

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 (potable, wastewater, and recreational):

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 Fused Cast Bead Pressed Pellet Method for Sulphur and Phosphorous including: Ferro-Chrome Ore, Chrome Ores	EMT-M-OP-CH-MCT-MD151 using X-ray Fluorescence Spectroscopy
Elemental Analysis of Copper Ores using ICP-OES	EMT-M-OP-CH-MCT-MD106B
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 ₃ ; 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
Phosphate	US EPA 365.1; EMT-M-OP-CH-MCT-MD329

Test:	Test Method(s):
Sulphate	US EPA 375.4; EMT-M-OP-CH-MCT-MD331
Chemical Analysis: Carbon and Low Alloy Steels	EMT-M-OP-CH-MCT-MD101 using the SpectroMaxx M Optical Emission Spectrometer

BIOLOGICAL

Test:	Test Method(s):
Heterotrophic Plate Count	EMT-M-OP-EN-MD001 based on standard method APHA 9215b
Enumeration of Coliforms and <i>E.coli</i>	MPN using IDEXX Colilert, EMT-M-OP-EN-MD002 based on standard method APHA 9223
Enumeration of Total Coliforms	Membrane Filtration, EMT-M-OP-EN-MD003 based on standard method APHA 9222b.
Enumeration of Fecal Coliforms	Membrane Filtration, EMT-M-OP-EN-MD004 based on standard method APHA 9222d
Detection of Enumeration of <i>Legionella spp</i> (not including species identification)	EMT-M-OP-EN-MD010 based on CCFRA Manual of Microbiological Methods (Manual 43) 5th Edition 2007 Method 3.9.1 and EMT-M-OP-EN-MD023 based on standard method ISO 11731
Heterotrophic Plate Count	EMT-M-OP-EN-MD001 based on standard method APHA 9215b



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 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 5669.04
Valid to February 28, 2021

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