



Accredited Laboratory

A2LA has accredited

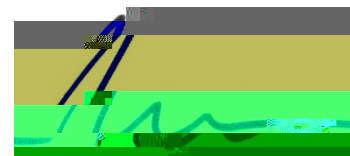
ELEMENT DOHA LLC

Doha, Qatar

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). 17205(i)Tm



For the tests to which this accreditation applies, please refer to the laboratory's

Chemical Scope of Accreditation.



Test(s):	Test Method(s):
Chloride (Cl)	EMT-M-OP-CH-DOH-MD205; APHA 4500 CL B; ASTM D512
Conductivity	EMT-M-OP-CH-DOH-MD201 APHA 2510B
Cyanide (free)	APHA 4500 – CN E; EMT-M-OP-CH-DOH-MD310
Fluoride	EMT-M-OP-CH-DOH-MD328; APHA 4500-F B and APHA 4500-F D
Nitrate	EMT-M-OP-CH-DOH-MD315; APHA 4500 NO ₃ B
Nitrite	EMT-M-OP-CH-DOH-MD317; USEPA 353.2
Oil and Grease	EMT-M-OP-CH-DOH-MD414; APHA 5520D by Soxhlet Extraction Gravimetry
pH value	APHA 4500 pH; EMT-M-OP-CH-DOH-MD301
Phosphate Ortho	EMT-M-OP-CH-DOH-MD326; USEPA 365.1
Residual (free available) Chlorine	EMT-M-OP-CH-DOH-MD206; APHA 4500 Cl G by Colorimetry
Sulfate (SO ₄)	EMT-M-OP-CH-DOH-MD331; USEPA 375.4; EMT-M-OP-CH-DOH-MD324; APHA 4500 SO ₄ C
Sulfide	APHA 4500 S ²⁻ D & F
Silica Oxide	EMT-M-OP-CH-DOH-MD327; ASTM D859
Total Alkalinity	EMT-M-OP-CH-MD210; APHA 2320B by Titration
Total Hardness	EMT-M-OP-CH-DOH-MD211; APHA 2340C by EDTA Titration

Test(s):	Test Method(s):
Total Kjeldahl Nitrogen	EMT-M-OP-CH-DOH-MD318; APHA 4500-N _{org} by Distillation
Total Phosphorous	APHA 4500P E and APHA 4500P B; EMT-M-OP-CH-DOH-MD329
Total Dissolved Solids (TDS)	EMT-M-OP-CH-MD208 APHA 2540B by Gravimetry Gravimetry 3.75

Test(s):	Test Method(s):
<p>Benzene, Toluene, Ethylbenzene and Xylenes (BTEXs) and Volatile Organic Compounds (VOCs) including (continued):</p> <p>Toluene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,1-Dichloroethane, 1,2-Dichloroethane, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, 1,2-Dichloropropane, 1,3-Dichloropropane, 1,1-Dichloropene, cis-1,3-Dichloropropene, trans-1,3-Dichloropropene, Trichloroethane, 1,1,1-Trichloroethane, 1,1,2-Trichloroethane, 1,2,3-Trichloroethane, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene</p>	

Semi Volatile Organic Compounds (SVOCs) and Polycyclic Aromatic Hydrocarbon (PAHs) including:

Azobenzene

Bis(2-chloroisopropyl) ether

Bis(2-chloroethyl) ether

bis(2-chloroethoxy) methane 01 Tc 0.001 Tw 6.202 04MCID 54 BDC 53p

Test(s):	Test Method(s):
<p>Semi Volatile Organic Compounds (SVOCs) and Polycyclic Aromatic Hydrocarbon (PAHs) including (continued):</p> <p>Phenol 4-Bromophenyl Phenylether Isophorone 4-Chloroaniline 4-Chloro-3-methylphenol 2-Chlorophenol 4-Chlorodiphenylether 2-Chloronaphthalene o-Cresol p-Cresol 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene 2,4-Dinitrotoluene 2,6-Dinitrotoluene 2,4-Dichlorophenol 2,4-Dimethylphenol 2-Methylnaphthalene 2-Nitroaniline 2-Nitrophenol n-nitrosodi-n-propylamine n-nitrosodimethylamine 1,2,4-Trichlorobenzene 2,4,5-Trichlorophenol 2,4,6-Trichlorophenol</p>	
<p>Polycyclic Aromatic Hydrocarbons (PAHs) including:</p> <p>Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(g,h,i)preylene Benzo(a)pyrene Carbazole Chrysene Dibenze(a,h)anthracene Fluorene Fluoroanthene Ideno (1, 2, 3-c, d) Naphthalene</p>	<p>EMT-M-OP-CH-DOH-MD403A (soils) by GC-MS EMT-M-OP-CH-DOH-MD403B (waters) by GC-MS</p> <p>EPA 8270</p>

Test(s):	Test Method(s):
Polycyclic Aromatic Hydrocarbons (PAHs) including (continued): Pyrene Phenanthrene Pyrene	
<u>Waters (Potable, Effluent and Saline):</u>	
Phenols	EPA 528; EMT-M-OP-CH-DOH-MD415 by SPE, Derivatization and GC-MS
<u>Soils:</u>	
Metals by ICP-OES	EMT-M-OP-CH-DOH-MD112; APHA 3125
Organic Matter Content	BS 1377-3 Clause 4
Sulphate Content (Acid Extract and Water Extract)	BS 1377-3:1990 Clause 5.2 and 5.3 (Withdrawn) ²
Chloride Content (Acid Extract and Water Extract)	BS 1377-3 Clause 9
pH	BS 1377-3 Clause 12
<u>Aggregates:</u>	
Organic Impurities	ASTM C40/C40M
Assessment of Fines Methylene Blue Test	BS EN 933-9
Acid Soluble Chloride Content	BS EN 1744-5
Acid Soluble Sulphate Content	BS EN 1744-1
<u>Concrete:</u>	
Chloride Content	BS 1881-124 Clause 12.1
Sulphate Content	BS 1881-124 Clause 12.2
<u>Cement:</u>	
Sulphate	BS EN 196-2 Clause 4.4.2
Residue Insoluble	BS EN 196-2 Clause 4.4.3
Pure Silica	BS EN 196-2 Clause 4.5.5
Total Silica	BS EN 196-2 Clause 4.5.8

ELEMENT DOHA LLC
 Street 46, Gate 226
 Salwa Industrial Area
 Doha, Qatar
 Phone: +974 4039 7567

Test(s):	Test Method(s):
<u>Water:</u>	
Anions and Oxyhalides; Bromide, Chloride, Fluoride, Nitrate, Nitrite, Phosphate and Sulfate, Bromate, Chlorate, Chlorite	EMT-M-OP-CH-DOH-MD322; APHA 4110B & APHA 4110D by Ion Chromatography
Alkalinity	EMT-M-OP-CH-MD210; APHA 2320B by Titration
Ammonia	EMT-M-OP-CH-DOH-MD302; APHA 4500 NH ₃ B & APHA 4500 NH ₃ C; by Colorimetry

Test(s):
Fluoride

Test Method(s):
EMT-M-

Test(s):	Test Method(s):
Silica Oxide	EMT-M-OP-CH-DOH-MD327; ASTM D859; HACH 8186; by Colorimetry
Solids (Total Dissolved)	EMT-M-OP-CH-MD208; APHA 2540C BS 1377-3; BS 1427; by Gravimetry
Solids (Total Suspended)	EMT-M-OP-CH-MD209; APHA 2540D; by Gravimetry
Solids (Fixed & Volatile)	EMT-M-OP-CH-DOH-MD212A; APHA 2540E
Solids (Settleable)	EMT-M-OP-CH-DOH-MD212B; APHA 2540F
Solids (Total, Fixed & Volatile)	EMT-M-OP-CH-DOH-MD212C; APHA 2540G

Sulfate

EMT-M-OP-CH-DOH-MD324;
APHA 4500SO1.460M6.62 7(M Tm0)T75(-)MC 41.46.98 333.54 389.52 T2.58

CONSTRUCTION MATERIALS

Test(s):

Test Method(s):