



Accredited Laboratory

A2LA has accredited

AL BARAHA TECHNICAL LABORATORIES

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).



Presented this 11th day of March 2020.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4881.02
Valid to March 31, 2023
Revised December 22, 2023

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AL BARAHA TECHNICAL LABORATORIES
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CHEMICAL

Valid To: March 31, 2023

Certificate Number: 4881.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for:

Test Method:	Test Description:
Aggregate:	
ASTM C40/C40M	Organic Impurities in Fine Aggregates for Concrete
ASTM C494/C494M	Chemical Admixtures for Concrete
ASTM D891	Specific Gravity, Apparent, of Liquid Industrial Chemicals
BS 812 Part 117 Appendix C	Testing aggregates. Method for determination of acid-soluble chloride salts
BS 812 Part 118 Clause 6	Testing aggregates. Methods for determination of Sulfate content
BS EN 1744-1+A1	Tests for chemical properties of aggregates. Chemical analysis Determination of Acid Soluble Sulfate in Aggregates
BS EN 1744-5	Tests for chemical properties of aggregates. Determination of acid soluble chloride salts
Cement:	
BS EN 196 Part 2, Clause 4.4.1	Method of testing cement: Part 2: Chemical analysis of cement - Loss on ignition
BS EN 196 Part 2, Clause 4.4.3	Method of testing cement: Part 2: Chemical analysis of cement - Insoluble residue
BS EN 196 Part 2, Clause 4.5.5	Method of testing cement: Part 2: Chemical analysis of cement - Impure silica
BS EN 196 Part 2, Clause 4.5.6	Method of testing cement: Part 2: Chemical analysis of cement - Pure silica
BS EN 196 Part 2, Clause 4.5.14	Method of testing cement Part 2: Chemical analysis of cement - Calcium Oxide
BS EN 196 Part 2, Clause 4.5.11	Method of testing cement Part 2: Chemical analysis of cement - Aluminum Oxide
BS EN 196 Part 2, Clause 4.5.10	Method of testing cement Part 2: Chemical analysis of cement - Iron Oxide
BS EN 196 Part 2, Clause 4.5.15	Method of testing cement Part 2: Chemical analysis of cement - Magnesium oxide
BS 1881 Part 124, Clause 12.2	Testing concrete Part 124: Methods for analysis of hardened concrete (Determination of Sulphate content in hardened concrete)

(A2LA Cert. No. 4881.02) Revised 12/22/2021

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Test Method:	Test Description:
BS 1881 Part 124, Clause 12.1	Testing concrete Part 124: Methods for analysis of hardened concrete (Determination of Chloride content in hardened concrete)
BS EN 196 Part 2	Method of testing cement Part 2: Chemical analysis of cement - Sulphate
BS EN 196 Part 2	Method of testing cement Part 2: Chemical analysis of cement - Chloride
ASTM C1218	Water Soluble Chloride in mortar and concrete
ASTM C1152/C1152M	Acid Soluble Chloride in mortar and concrete
Soil:	
BS 1377 Part 3, Clause 7.9	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (Determination of acid soluble sulfate content)
BS 1377 Part 3, Clause 9.3	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (Determination of acid soluble chloride content)
BS 1377 Part 3, Clause 12	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (pH value)
BS 1377 Part 3, Clause 4.0	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro-chemical tests: Determination of the organic matter content Clause 3
BS 1377 Part 3, Clause 8.3	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro-chemical tests Determination of Carbonate Content
BS 1377 Part 3, Clause 9.2	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro-chemical tests Determination of Water Soluble Chloride Content of Soil
BS 1377 Part 3, Clause 7.6	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro-chemical tests (Determination of the sulphate content of soil and ground water) Determination of Water Soluble Sulphate Content of Soil
Admixtures:	
BS EN 480 Part 10 Clause 4	Admixtures for concrete, mortar and grout. Test methods. Reference concrete and reference mortar for testing Chloride Content of Admixture
Water/Waste Water:	
APHA 4500 H +B: 23 rd Edition 2017	pH
APHA 2510 B: 23 rd Edition 2017	Electrical Conductivity
APHA 2540 C: 23 rd Edition 2017	Total Dissolved Solids at 180 ° C.
APHA 2540 D 23 rd Edition 2017	Water -Total Suspended Solids
APHA 2540 B 23 rd Edition 2017	Water -Total Solids

Test Method:	Test Description:
APHA 2540 F 23rd Edition 2017	Determination of Settle able solids of water
APHA 5220 D: 23 rd Edition 2017	Chemical Oxygen Demand
APHA 2320 B: 23 rd Edition 2017	Alkalinity, Carbonate, Bicarbonate, Hydroxide Alkalinity
SOP/OPN/28	Sampling
APHA 2130 B: 23 rd Edition 2017	Turbidity
HACH Method 8038	Nitrogen-Ammonia
HACH Method 8039	Nitrogen-Nitrate
HACH Method 8021 (Adapted method of APHA 4500 Cl G): 23 rd Edition 2017	Chlorine
APHA 4500 Cl –B: 23 rd Edition 2017	Chloride
HACH Method 8048 (Adapted method of APHA 4500 –P E): 23 rd Edition 2017	Phosphorus
APHA 4500 SO4 2-C: 23 rd Edition 2017	Sulphate
HACH Method 8008	Iron
APHA 2340 C: 23 rd Edition 2017	Hardness
APHA 3500-Mg B: 23 rd Edition 2017	Magnesium
APHA 3500-Ca B 23 rd Edition 2017	Calcium
HACH Method 8506 (Adapted method of APHA 3500-Cu C): 23 rd Edition 2017	Copper
APHA 3120-B 23rd Edition 2017	Boron
APHA 3120-B 23rd Edition 2017	Barium
APHA 3120-B 23rd Edition 2017	Sodium
APHA 3120-B 23rd Edition 2017	Potassium
APHA 3120-B 23rd Edition 2017	Iron
APHA 3120-B 23rd Edition 2017	Aluminum
APHA 3120-B 23rd Edition 2017	Lead
APHA 3120-B 23rd Edition 2017	Cadmium



APHA 3120-B 23rd Edition 2017	Chromium
APHA 3120-B 23rd Edition 2017	Copper
APHA 3120-B 23rd Edition 2017	Nickel
APHA 3120-B 23rd Edition 2017	Lithium
APHA 3120-B 23rd Edition 2017	Zinc
APHA 3120-B 23rd Edition 2017	Manganese
APHA 3120-B 23rd Edition 2017	Silver
APHA 3120-B 23rd Edition 2017	Cobalt
APHA 3120-B 23rd Edition 2017	Magnesium
APHA 3120-B 23rd Edition 2017	Calcium
APHA 3120-B 23rd Edition 2017	Beryllium
APHA 3120-B 23rd Edition 2017	Antimony
APHA 3120-B 23rd Edition 2017	Silicon
APHA 3120-B 23rd Edition 2017	Molybdenum
APHA 3120-B 23rd Edition 2017	Selenium
APHA 3120-B 23rd Edition 2017	Thallium
APHA 3120-B 23rd Edition 2017	Titanium
APHA 3120-B 23rd Edition 2017	Vanadium
APHA 3120-B 23rd Edition 2017	Phosphorous
APHA 3120-B 23rd Edition 2017	Tin