AL BARAHA
TECHNICAL LABORATORIES

YOU BUILD IT
BATLABs TEST IT

COMPANY PROFILE

- Laboratory Testing
- Field Testing & Monitoring

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BATLABs provides advanced engineering services in Material Testing, QA/QC Management and Project Troubleshooting.

BATLABs' goal is to take part in the Customers' aim to provide a safe and reliable construction through timely and accurate testing services.

AL BARAHA TECHNICAL LABORATORIES

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1 - INTRODUCTION

Al Baraha Technical Laboratories also known as "**BATLABS**" was established on January 2004. The laboratory is located at St. 41 Al Kassarat St. (Intersection) Industrial Area, Doha Qatar.

BATLABS is a high caliber, independent technical testing laboratory specializing in construction related materials.

Tests and services conducted are the following: soil testing ; aggregate testing; pavement and asphalt testing; road marking testing; rock testing; concrete testing; chemical testing; drilling services, instrumentation and measurement, inspection and monitoring .

BATLABS endeavors to provide the highest quality testing services to construction industries. **BATLABS'** goal is to take part in the customers' aim to provide a safe and reliable construction through timely and accurate testing services.

BATLABS supports 101% the customers' thrust towards optimization of the value of investment in catering to the increasing and sophisticated needs of the construction industry.

BATLABS has a well qualified and trained workforce. These hardworking staff continuously strive to enhance their qualifications through attending seminars, workshops and training sessions. In-house and external trainings are continuously provided to advance the technical knowledge of staff.

We, at **BATLABS,** remain to be...

"*Your Dependable Project Partner*".

AL BARAHA TECHNICAL LABORATORIES

2 – BATLABS QUALITY POLICY

We at **BATLABS** are committed to achieve ***total customer satisfaction*** in the field of laboratory testing services specializing in construction related materials. With the vision to become a leading technical testing laboratory, we are set to ***create loyal and satisfied customers*** by providing superb and accurate service through highly effective system and highly trained workforce.

We are committed to achieve this by:

- Developing good professional practices and providing testing facilities that have the desired quality in accordance with customer requirements / references standards. Hence, creating an environment of trust and confidence with our customers,

- Maintaining accuracy, precision and reliability of testing services through the implementation, maintenance and compliance with the applicable national and international standards,

- Achieving required quality of services that meets and exceeds customers' expectations,

- Creating a culture and environment of excellence that encourages and motivates our employees by imparting and updating trainings with regards to quality procedures and documentation,

- Complying with the requirements of ISO/IEC 17025:2005 and continually improving the effectiveness of the Management System.

TAREK ABDALLAH
Laboratory Manager

AL BARAHA TECHNICAL LABORATORIES

3 – SERVICES OFFERED

Many industries are required to satisfy governmental regulations a variety of needs, deadlines and budget pressures. Let our engineers and project managers apply their industry knowledge of packaging, products and materials as well as the standards that regulate them to ensure compliance, manage timelines and provide value.

BATLABs offers a variety of services that support your business need for expertise, efficiency and solutions:

- ✓ Combination Product Testing
- ✓ Consumer Product Testing
- ✓ Customized Package Testing
- ✓ Laboratory Management
- ✓ Packaging Materials Testing
- ✓ Package Testing Consulting
- ✓ Package Validation Testing
- ✓ Materials Testing Services

We, at **BATLABs** provide scales calibrations at **Batching Plants** using standard weights and in accordance to our own accredited procedure.

BATLABs has experience across the construction materials testing industry – from routine laboratory testing to providing clients with specialized and unique solutions to emerging industry challenges.

Working across the geotechnical, material testing and consultancy fields, BATLABs provide the following services:

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3 – SERVICES OFFERED

Soil Division

BATLABs Soil Division is equipped with the most recent machineries and equipment to perform soil tests required by the customers.

Our accredited soil testing laboratories undertake a range of geotechnical and construction material testing to determinate the physical characteristics of soils.

S.No.	Laboratory Tests	Reference Standard
1	Amount of Material in Soils Finer than No. 200 (75-m) Sieve	ASTM D1140
2	Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft3 (2,700 kN-m/m3)	ASTM D1557
3	CBR (California Bearing Ratio) of Laboratory-Compacted Soils	ASTM D1883
4	Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass	ASTM D2216
5	Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D4318
6	Correction of Unit Weight and Water Content for Soils Containing Oversize Particles	ASTM D4718
7	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	ASTM D6913

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3 – SERVICES OFFERED

S.N.	Laboratory Tests	Reference Standard
8	Methods of test for soils for civil engineering purposes Part 2: classification tests (Determination of moisture content)	BS1377 Part 2 Clause 3
9	Methods of test for soils for civil engineering purposes Part 2: Classification Tests (Determination of Liquid Limit (Cone Penetrometer))	BS 1377 Part 2 Clause 4.3
10	Methods of test for soils for civil engineering purposes Part 2: Classification tests (Atterberg Casagrande Method)	BS 1377 Part 2 Section 4.5
11	Methods of test for soils for civil engineering purposes Part 2: Classification tests (Determination of Plastic Limit and Plasticity Index)	BS 1377 Part 2 Clauses 5.3 & 5.4
12	Methods of test for soils for civil engineering purposes Part 2: Classification tests (Determination of Particle Size Distribution)	BS 1377 Part 2 Clauses 9.2 & 9.3
13	Methods of test for soils for civil engineering purposes Part 4: Compaction-related tests (Determination of dry density / moisture content relationship)	BS 1377 Part 4 Clauses 3.5 and 3.6
14	Methods of test for soils for civil engineering purposes Part 4: Compaction-related tests (Determination of California bearing ratio)	BS 1377 Part 4 Clause 7

3 – SERVICES OFFERED

Onsite Testing/Supervision/Inspection/Monitoring

BATLABs staff work in locations around Qatar, which may include remote annex laboratories on remote sites or major infrastructure projects.

Heaving a laboratory onsite ensures that results can be obtained quickly to meet project timelines and budgets.

BATLABs field testing services under taken onsite include:

- Sampling and testing of soils
- Sampling and testing of stockpiles to standards
- Sand replacement testing
- Nuclear density testing
- Asphalt density

BATLABs provide supervision, inspection and monitoring services, including:

- Level 1 – 2 supervision
- Site assessments

AL BARAHA TECHNICAL LABORATORIES

3 – SERVICES OFFERED

Our staff are committed to delivering reliable, high quality results, which are setting international best practice and standards in line with QCS and other regulatory requirements.

S. No.	Field /Site Tests	Reference Standard
1	Density and Unit Weight of Soil in Place by Sand-Cone Method	ASTM D15561
2	In-Place Density and Water Content of Soil and Soil- Aggregate by Nuclear Methods (Shallow Depth)	ASTM D6938[1]
3	Methods of test for soils for civil engineering purposes Part 9: In-situ tests (Sand replacement method suitable for fine, medium and coarse-grained soils (large and small pouring cylinder method)	BS 1377 Part 9 Clauses 2.1 & 2.2[1]
4	Methods for test for soils for civil engineering purposes Part 9: In-situ tests (Filed Density test by Nuclear Gauge FDT)	BS 1377 Part 9 Clause 2.51
5	Methods of test for soils for civil engineering purposes Part 9: In-situ tests Determination of in-situ California Bearing Ratio (CBR)	BS 1377 Part 9 Section 4.31
6	Sampling Aggregates	ASTM D75/D75M[1]
7	Testing aggregate Part 102: methods for Sampling	BS 812 Part 1021

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4	Methods for test for soils for civil engineering purposes Part 9: In-situ tests (Filed Density test by Nuclear Gauge FDT)	BS 1377 Part 9 Clause 2.51
5	Methods of test for soils for civil engineering purposes Part 9: In-situ tests Determination of in-situ California Bearing Ratio (CBR)	BS 1377 Part 9 Section 4.31
6	Sampling Aggregates	ASTM D75/D75M[1]
7	Testing aggregate Part 102: methods for Sampling	BS 812 Part 1021
8	Sampling Asphalt Materials	ASTM D140/D140M1
9	Sampling Bituminous Paving Mixtures	ASTM D979/D979M1
10	Nuclear Density of Asphalt	ASTM D2950
11	Estimating Application Rate and Residual Application Rate of Bituminous Distributors	ASTM D2995

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3 – SERVICES OFFERED

S. No.	Field/Site Tests	Reference Standard
12	Methods of test for soils for civil engineering purposes Part 9: In-situ tests In-situ vertical deformation and strength tests	BS 1377 Part 9 Section 4[1]
13	Sampling and examination of bituminous mixtures for roads and other paved areas. Methods of test for the determination of density and compaction (Density and thickness of asphalt cores)	BS 598 Part 104, Section 4
14	Surface Irregularities in Concrete & Bituminous Road Surfaces by Travelling Beam Device	SOP/OPN/221
15	Sampling and the Amount of Testing of Hydraulic Cement	ASTM C183/C183M1
16	Making and Curing Concrete Test Specimens in the Field	ASTM C31[1]
17	Slump of Hydraulic-Cement Concrete	ASTM C143/C143M[1]
18	Sampling of Freshly Mixed Concrete	ASTM C1721
19	Rebound Number of Hardened Concrete	ASTM C805/C805M[1]
20	Temperature of Freshly Mixed Hydraulic-Cement Concrete	ASTM C10641
21	Testing fresh concrete. Part 1: Sampling	BS EN 12350 Part 1[1]
22	Testing fresh concrete Part 2: Slump test	BS EN 12350 Part 2[1]
23	Testing fresh concrete Part 5: Flow table test	BS EN 12350 Part 5[1]
24	Testing fresh concrete Part 6: Density	BS EN 12350 Part 6[1]
25	Testing fresh concrete Part 7: Air content. Pressure methods	BS EN 12350 Part 7[1]

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3 – SERVICES OFFERED

3. Aggregate Division

BATLABS has set-up a modern testing facility to carry out Aggregate tests in accordance to QCS and BS/BS EN / ASTM Standards in the Aggregate Division.

S. No.	Laboratory Tests	Reference Standard
1	Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	ASTM C88
2	Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	ASTM C117
3	Lightweight Particles in Aggregate	ASTM C123/C123M
4	Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	ASTM C127
5	Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	ASTM C128
6	Resistance to degradation of small - size coarse aggregate by abrasion and impact in the Los Angeles machine	ASTM C131
7	Sieve Analysis of Fine and Coarse Aggregates	ASTM C136/C136M
8	Clay Lumps and Friable Particles in Aggregates	ASTM C142/C142M
9	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM C535

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Aggregates are used as a stable foundation with predictable, uniform properties. As such, their quality must be determined through specialist aggregate testing.
The better the quality, the more stable the construction.

S. No.	Laboratory Tests	Reference Standard
10	Reducing Samples of Aggregate to Testing Size	ASTM C702/702M
11	Sampling Aggregates	ASTM D75/D75M [1]
12	Sand equivalent value of soils and fine aggregate	ASTM D2419
13	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	ASTM D4791
14	Fractured Particles in Coarse Aggregate	ASTM D5821
15	Testing aggregates Part 2: Methods for determination of Density (Particle density and water absorption)	BS 812 Part 2 Clause 5.4
16	Testing aggregate Part 102: methods for Sampling	BS 812 Part 102 [1]
17	Testing aggregates Part 103: Method for determination of particle size distribution. Sieve tests	BS 812 Part 103 Section 103.1
18	Testing aggregates Part 105: Methods for determination of particle shape. Flakiness index	BS 812 Part 105 Section 105.1
19	Testing aggregates Part 105: Methods for determination of particle shape. Elongation index of coarse aggregate	BS 812 Part 105 Section 105.2

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S. No.	Laboratory Tests	Reference Standard
20	Testing aggregates Part 109: Methods for determination of moisture content (drying oven)	BS 812 Part 109
21	Testing aggregates Part 110: Methods for determination of aggregate crushing value (ACV)	BS 812 Part 110
22	Testing aggregates Part 111: Methods for Determination of Ten Per Cent Fines Value (TFV)	BS 812 Part 111
23	Methods of testing cement Part 3: Determination of setting times and soundness	BS EN 196 Part 3
24	Methods of testing cement Part 7: Methods of taking and preparing samples of cement	BS EN 196 Part 7 1
25	Tests for geometrical properties of aggregates Part 1: Determination of particle size distribution. Sieving method	BS EN 933 Part 1
66	ests for geometrical properties of aggregates Part 3: Determination of particle shape. Flakiness index	BS EN 933 Part 3
77	Tests for geometrical properties of aggregates Part 4: Determination of particle shape. Shape index (Elongation Index)	BS EN 933 Part 4
28	Shell Content Percentage of Shells in Coarse Aggregates	BS EN 933-7

3 – SERVICES OFFERED

BATLABs perform many tests on pavement and asphalt to be used in the construction and rehabilitation of pavements and roads.

Our pavement and asphalt testing services include:

- Pavement evaluation and maintenance
- Asphalt control and recycling review

S.No.	Field Tests	Reference Standard
1	Asphalt Coring (of different thickness and lengths)	BS 598 Part 104
2	Temperature Checking of Asphaltic Batch	BS EN 12697 Part 13
3	Sampling of Asphalt Material	BS 598 : 100 BS EN 12697 : 27
4	Sampling of Tack/Prime Coat Sheet	BS 598 ; 108

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3 – SERVICES OFFERED

4. Asphalt and Pavement Division

BATLABS' Asphalt Division is equally equipped with up-to-date apparatuses for testing the physical, mechanical and chemical properties of asphalt and bitumen.

S. No.	Laboratory Tests	Reference Standard
1	Penetration of Bituminous Materials	ASTM D5
2	Softening Point of Bitumen (Ring-and-Ball Apparatus)	ASTM D36
3	Sampling Asphalt Materials	ASTM D140/D140M [1]
4	Sieve Analysis of Mineral Filler	ASTM D546
5	Sampling Bituminous Paving Mixtures	ASTM D979/D979M [1]
6	Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Coated Samples	ASTM D1188
7	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures	ASTM D2041
8	Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures	ASTM D2726/D2726M

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3 – SERVICES OFFERED

S. No.	Laboratory Tests	Reference Standard
9	Nuclear Density of Asphalt	ASTM D2950
10	Estimating Application Rate and Residual Application Rate of Bituminous Distributors	ASTM D2995
11	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	ASTM D3203/D3203M
12	Thickness or Height of Compacted Asphalt Mixture Specimens	ASTM D3549/D3549M
13	Sampling Compacted Bituminous Mixtures for Laboratory Testing	ASTM D5361/D5361M[1]
14	Mechanical Size Analysis of Extracted Aggregate	ASTM D5444
15	Bulk Specific Gravity and Density of Compacted Asphalt Mixtures Using Vacuum Sealing	ASTM D6752/D6752M
16	Maximum Specific Gravity and Density of Asphalt Mixtures using Automatic Vacuum Sealing Method	ASTM D6857
17	Preparation of Asphalt Mixture Specimens Using Marshall Apparatus	ASTM D6926
18	Marshall Stability and Flow of Asphalt Mixtures	ASTM D6927
19	Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications	ASTM D6951/D6951M[1]
20	Reducing Sample of HMA to Test Size	AASHTO R 47
21	Methods of test for soils for civil engineering purposes Part 9: In-situ tests In-situ vertical deformation and strength tests	BS 1377 Part 9 Section 4[1]
22	Bitumen and bituminous binders. Determination of the softening point. Ring and Ball method	BS EN 1427

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S. No.	Laboratory Tests – (Asphalt Mixtures)	Reference Standard
23	Density of Semi-Solid Bituminous Materials (Pycnometer Method)	ASTM D70
24	Quantitative extraction of bitumen from bituminous paving mixtures	ASTM D2172
25	Bulk Specific Gravity and Density of Non-Absorptive Comp Bituminous Mixtures (Determination of Bulk Density)	ASTM D2726, Clause 10.2
26	Sampling and examination of bituminous mixtures for roads and other paved areas. Methods of test for the determination of density and compaction (Density and thickness of asphalt cores)	BS 598 Part 104, Section 4
27	Sampling and examination of bituminous mixtures for roads and other paved areas. Method of test for the determination of the composition of design surface course rolled asphalt (Marshall stability and flow)	BS 598 Part 107
28	Bitumen and bituminous binders. Determination of needlepenetration	BS EN 1426 BS 2000-49
29	Bituminous mixtures. Test methods for hot mix asphalt. Soluble binder content	BS EN 12697-1
30	Bituminous mixtures. Test methods for hot mix asphalt. Determination of the maximum density	BS EN 12697-5, Clause 9.3
31	Bituminous mixtures. Test methods for hot mix asphalt. Determination of bulk density of bituminous specimens	BS EN 12697-6, Clauses 9.2 & 9.3
32	Bituminous mixtures. Test methods for hot mix asphalt. Temperature measurement	BS EN 12697-13
33	Bituminous mixtures. Test methods for hot mix asphalt. Sampling	BS EN 12697-27[1]
34	Bituminous mixtures. Test methods for hot mix asphalt. Determination of the dimensions of a bituminous specimen	BS EN 12697-29
35	Bituminous mixtures. Test methods for hot mix asphalt. Specimen preparation by impact compactor	BS EN 12697-30

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S. No.	Laboratory Tests – (Asphalt Mixtures)	Reference Standard
35	Bituminous mixtures. Test methods for hot mix asphalt. Specimen preparation by impact compactor	BS EN 12697-30
36	Bituminous mixtures. Test methods for hot mix asphalt. Marshall Test (Marshall stability and flow)	BS EN 12697-34
37	Bituminous mixtures. Test methods for hot mix asphalt. Determination of the thickness of a bituminous pavement	BS EN 12697-36
38	Bituminous mixtures. Test methods for hot mix asphalt. Part 28: Preparation of samples for determining binder content, water content and grading	BS EN 12697 Part 28
39	Bituminous mixtures. Test method for hot mix asphalt Part 2: Determination of particle size distribution	BS EN 12697 Part 2
40	Bituminous mixtures. Test methods for hot mix asphalt Part 8: Determination of void characteristics of bituminous specimens	BS EN 12697 Part 8
41	Surface Irregularities in Concrete & Bituminous Road Surfaces By Travelling Beam Device	SOP/OPN/22[1]

AL BARAHA TECHNICAL LABORATORIES

3 – SERVICES OFFERED

Concrete Division

The Concrete Division of **BATLABS** has sufficient capability for testing fresh concrete, hardened concrete, masonry blocks, paving blocks, kerbstones and etc.

S.No.	Laboratory Tests	Reference Standard
1	Making and Curing Concrete Test Specimens in the Field	ASTM C31[1]
2	Compressive Strength of Cylindrical Concrete Specimens	ASTM C39
3	Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete	ASTM C138/ C138M
4	Sampling and Testing Concrete Masonry Units and Related Units	ASTM C140/C140M[1]
5	Slump of Hydraulic-Cement Concrete	ASTM C143/C143M[1]
6	Sampling of Freshly Mixed Concrete	ASTM C172[1]
7	Air Content of Freshly Mixed Concrete by the Pressure Method	ASTM C231/ C231M[1]
8	Chemical Admixtures for Concrete	ASTM C494/C494M
9	Density, Absorption, and Voids in Hardened Concrete	ASTM C642
10	Rebound Number of Hardened Concrete	ASTM C642
11	Temperature of Freshly Mixed Hydraulic-Cement Concrete	ASTM C1064[1]
12	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration Rapid chloride permeability test (RCPT)	ASTM C1202

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S. No.	Laboratory Tests	Reference Standard
13	Testing concrete. Part 111: Method of normal curing of test specimens (20°C method) Part 114: Testing concrete Methods for determination of density of hardened concrete Part 116: Method for determination of compressive strength of concrete cubes	BS 1881, Parts 111, 114, and 116[1]
14	Testing concrete Part 122: Method for determination of water absorption	BS 1881 Part 122
15	Testing concrete Part 208: Recommendations for the determination of the initial surface absorption of concrete	BS 1881 Part 208
16	General requirements, sampling, sample preparation and test on materials before stabilization	BS 1924-1
17	Determination of Coefficient of Water Absorption due to Capillary Action of Masonry Units (And other related materials)	BS EN 772-11/BS EN 771-3
18	Determination of Total Water Absorption of Paving Blocks	BS EN 1338 Annex E
19	Determination of Total Water Absorption of Paving Flags	BS EN 1339 Annex E
20	Measurement of Dimensions for Concrete Kerb Units	BS EN 1340 Annex C
21	Determination of Total Absorption of Concrete Kerb Units	BS EN 1340 Annex E
22	Testing fresh concrete. Part 1: Sampling	BS EN 12350 Part 1[1]
23	Testing fresh concrete Part 2: Slump test	BS EN 12350 Part 2[1]
24	Testing fresh concrete Part 5: Flow table test	BS EN 12350 Part 5[1]

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S. No.	Laboratory Tests	Reference Standard
25	Testing fresh concrete Part 6: Density	BS EN 12350 Part 6[1]
26	Testing fresh concrete Part 7: Air content. Pressure methods	BS EN 12350 Part 7[1]
27	Testing hardened concrete Part 1: Shape, dimensions and other requiremmolds Part 3: Compressive strength of test specimensPart 7: Density of hardened concrete	BS EN 12390, Parts 1, 3, and 7
28	Testing hardened concretePart 2: Making and curing specimens for strength tests	BS EN 12390 Part 2[1]
29	Testing concrete in structures Part 1: Cored specimen– taking, examining and testing in Compression	BS EN 12504 Part 1
30	Testing hardened concrete. Part 8: Depth of penetration of water under pressure	BS EN 12390 Part 8
31	Determination of the Compressive Strength of Hydraulically Bound Mixtures	BS EN 13286-41
32	Method for the manufacture of test specimens of hydraulic bound mixtures u sing vibrating hammer compaction	BS EN 13286-51
33	Water Absorption of Terrazzo Tiles	BS EN 13748 Part 1 5.5/5.8
34	Testing Concrete; Testing of Hardened Concrete (specimens prepared in mold) Part 5: Water Permeability Test of Hardened Concrete	DIN 1048 Part 5
35	Absorption of Water by Concrete by Immersion Under Vacuum	RILEM TC14 CPC 11.3
36	Chloride ion migration	NT Build 492-11
37	Precast concrete masonry units, measurement of dimension	BS 6073 Appendix A
38	Precast concrete masonry units, determination of compressive strength	BS 6073 Appendix B
39	Precast concrete paving blocks Part 1: Determination of compressive strength	BS 6717 Part 1 Ann. A & B

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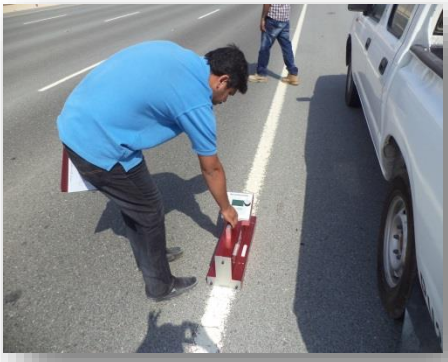
3 – SERVICES OFFERED

5. Road Marking Division



S. No.	Road Marking Services	Reference Standard
1	Thickness of Road Marking Materials	BS 3262 Part 3
2	Measurement of the Luminance Coefficient Under Diffuse Illumination of Pavement Marking Materials Using a Portable Reflectometer	ASTM E 2302
3	Measurement of Retroreflective Pavement Marking Materials with CEN-Prescribed Geometry Using a Portable Retroreflectometer	ASTM E 1710
4	Road marking materials. Road marking performance for road users Determination of Skid Resistance	BS EN 1436 +A1
5	No-Pick-Up Time of Traffic	ASTM D711

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6. Rock Testing Division

Our laboratory in Qatar has acquired the latest technology in rock testing with a unique assemblage of equipment.

The primary aim of this specialist rock testing laboratory is to predict the performance of rock excavating equipment under various geological conditions.

We have suites of tests to predict the performance of the following equipment under different geological conditions :

S. No.	Rock Testing Services Division
1	Diamond Drilling
2	Percussive Drilling – DTH
3	Percussive Drilling – Top Hammer
4	Raise and Shaft Drilling over 2 m diameter
5	Raise borders under 3 m diameter
6	Road Headers
7	Rotary Drilling
8	Trenching
9	Tunnel Boring Machines

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The individual tests used in the above predictive tests are described here:

- ✓ Physical Properties
  (the results of non destructive tests)
- ✓ Mechanical properties
  (the results of destructive tests)
- ✓ Abrasiveness
- ✓ Toughness
- ✓ Drillability
- ✓ Empirical correlations and predictions
- ✓ Splitting Tensile Strength of Intact Rock Core
  (ASTM 3967)
- ✓ Compressive Strength

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7. Drilling Services

Geotechnical drilling allows investigation of subsurface materials and conditions and enables the reliable assessments of risks posed by these conditions.

It can also be used to determine the impact of groundwater on soils by determining its location, movement and depth.

S. No.	Drilling Services
1	Geotechnical Site Investigation
2	Flight Auger/Mud Drillings
3	Drilling Supervisor
4	Borehole Logging
5	Rock Core Logging
6	CPT Drilling and Testing

AL BARAHA TECHNICAL LABORATORIES

3 – SERVICES OFFERED

9. Chemical Division

BATLABS' possesses advanced chemical testing equipment in order to perform chemical tests required by customers.

S. No.	Laboratory Tests	Reference Standard
1	Testing concrete Part 124: Methods for analysis of hardened concrete (Determination of Sulphate content in hardened concrete)	BS 1881 Part 124, Clause 10.3
2	Testing concrete Part 124: Methods for analysis of hardened concrete (Determination of Chloride content in hardened concrete)	BS 1881 Part 124, Clause 10.2
3	Method of testing cement Part 2: Chemical analysis of cement Sul phate	BS EN 196 Part 2
4	Method of testing cement Part 2: Chemical analysis of cement Chloride	BS EN 196 Part 2
5	Admixtures for concrete, mortar and grout. Test methods. Reference concrete and reference mortar for testing Chloride Content of Admixture	BS EN 480

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3 – SERVICES OFFERED

S. No.	Laboratory Tests	Reference Standard
6	Standard Test Method for Organic Impurities in Fine Aggregates for Concrete	ASTM C40/C40M
7	Chemical Admixtures for Concrete	ASTM C494/C494M
8	Specific Gravity, Apparent, of Liquid Industrial Chemicals	ASTM D891
9	Testing aggregates. Method for determination of water-soluble chloride salts	BS 812 Part 117 Appendix C
10	Testing aggregates. Methods for determination of Sulfate content	BS 812 Part 118 Clause 6
11	Tests for chemical properties of aggregates. Chemical analysis Determination of Acid Soluble Sulfate in Aggregates	BS EN 1744-1+A1
12	Tests for chemical properties of aggregates. Determination of acid soluble chloride salts	BS EN 1744-5
13	Method of testing cement: Part 2: Chemical analysis of cement -Loss on ignition	BS EN 196 Part 2, Clause 4.4.1
14	Method of testing cement: Part 2: Chemical analysis of cement - Insoluble residue	BS EN 196 Part 2, Clause 4.4.3
15	Method of testing cement: Part 2: Chemical analysis of cement - Impure silica	BS EN 196 Part 2, Clause 4.5.5
16	Method of testing cement: Part 2: Chemical analysis of cement - Pure silica	BS EN 196 Part 2, Clause 4.5.5
17	Method of testing cement Part 2: Chemical analysis of cement Calcium	BS EN 196 Part 2, Clause 4.5.14
18	Method of testing cement Part 2: Chemical analysis of cement - Aluminum	BS EN 196 Part 2, Clause 4.5.11
19	Method of testing cement Part 2: Chemical analysis of cement -Iron oxide	BS EN 196 Part 2, Clause 4.5.10
20	Method of testing cement Part 2: Chemical analysis of cement Magnesium oxide	BS EN 196 Part 2, Clause 4.5.15

AL BARAHA TECHNICAL LABORATORIES

3 – SERVICES OFFERED

S. No.	Laboratory Tests	Reference Standard
21	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 5
22	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 9
23	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (pH value)	BS 1377 Part 3, Clause 9
24	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, Section 3
25	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro-chemical tests Determination of Carbonate Content	BS 1377 Part 3, Section 6
26	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro-chemical tests Determination of the chloride content Determination of Water Soluble Chloride Content of Soil	BS 1377 Part 3, Section 7
27	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	BS 1377 Part 3, Section 5
28	pH	APHA 4500 H +B: 22nd Edition 2012
29	Electrical Conductivity	APHA 2510 B: 22nd Edition 2012

AL BARAHA TECHNICAL LABORATORIES

3 – SERVICES OFFERED

S. No.	Laboratory Tests	Reference Standard
30	Total Dissolved Solids at 180 ° C.	APHA 2540 C: 22nd Edition 2012
31	Chemical Oxygen Demand	APHA 5220 D: 22nd Edition 2012
32	Alkalinity, Carbonate, Bicarbonate, Hydroxide Alkalinity	APHA 2320 B: 22nd Edition 2012
33	Sampling	SOP/OPN/28
34	Turbidity	APHA 2130 B: 22nd Edition 2012
35	Nitrogen-Ammonia	HACH Method 8038
36	Nitrogen-Nitrate	HACH Method 8039
37	Chlorine	HACH Method 8021 (Adapted method of APHA 4500 Cl G): 22nd Edition 2012
38	Chloride	APHA 4500 Cl –B: 22nd Edition 2012
39	Phosphorus	HACH Method 8048 (Adapted method of APHA 4500 –P E): 22nd Edition 2012
40	Sulphate	APHA 4500 S04 2-C: 22nd Edition 2012
41	Iron	HACH Method 8008
42	Hardness	APHA 2340 C: 22nd Edition 2012
43	Magnesium	APHA 3500-Mg B: 22nd Edition 2012
44	Calcium	APHA 3500-Ca B 22nd Edition 2012
45	Copper	HACH Method 8506 (Adapted method of APHA 3500-Cu C): 22nd Edition 2012

AL BARAHA TECHNICAL LABORATORIES

4 – TECHNICAL AFFILIATION

BATLABS is legally registered with *QGOSM (MLD)*, recognized by *ASHGHAL* and possesses all legal compliances and commercial registration. In addition, BATLABS is an *ISO / IEC 17025:2017* accredited laboratory with 234 scope parameters including Site Laboratory. ASTM, BSEN, APHA are major reference standards being administered by Qatar Construction Specifications (QCS 2014).

We are the First Construction Material Testing Lab in Qatar to obtain the accreditation (from a2La) of ISO/IEC 17025:2017. It is also entitled with the prestige of being the "ONLY LAB" having this accreditation all over Qatar and also "the ONLY LAB " among the "ASHGHAL (Qatar government body for infrastructural Development) approved testing labs in Qatar"

AL BARAHA TECHNICAL LABORATORIES

5 – LIST OF ONGOING PROJECTS

BATLABS was involved in various projects that has served a wide range of customers. The following projects are the current projects we are working with:

- Roads & Infrastructure (DN108-P02) North of Al Nassriya - (Boom Construction Co.)
- Roads & Infrastructure in Doha Industrial Area-Package-4 (QS-001) P04 - (Boom Lotus-JV)
- P029 C1 – Construction of al Khufoos Street - (Boom Construction Co.)
- C2018/053- Improvement of Interim A-Ring Road Scheme - (Boom Construction Co.)
- Construction of Khalifa Street and TV Round About Upgrade - (Boom Construction Co.)
- IA-2018-C080-G J1904-RIW for Junctions & Roundabouts in Various Areas of Greater Doha Phase 8 - (Boom Construction Co.)
- Zonal Framework Contract for Maintenance C2018/90 - (Boom Construction Co.)
- DW080-Road and Infrastructure in Sailiya, Alatiya - (Qatar Building Company)
- High Campus and HBKMC MHC/DP/2373863/18 - (Boom Construction Co.)
- Al Khor Expressway Project 1 - (Boom Construction Co.)
- Roads & Infrastructure in Shamal-Package 01 - (Bin Omran Trading & Contracting)
- Design & Construct New Orbital Highway and Truck Route P023: Contract 2 Salwa Road to North Relief Road - (Bin Omran Trading & Contracting)
- Design Built & Maintenance of Link Road Between Al Khor & Ras Mulaiji - (Bin Omran Trading & Contracting)
- QS042-Link Road & Infrastructure to Salwa Beach Resort - (Bin Omran Trading & Contracting
- Upgrade of Al Wakrah Main Road P017-C1-IN) - (Boom Construction Co.)
- Development of Link Road from Barwa Commercial Road to Wakrah Main Road – Advanced Temporary Works – DS136-P04 (IA 2016 C 034G) - (Boom Construction Co.)
- Roads & Infrastructure in Doha Industrial Area Package-6 (QS001-P06) -(L&T/ASTC-JV)
- DN117-P01 Bani Hajer Package-1 - (Bin Omran Trading & Contracting)
- Roads and Infrastructure in West of Al Mashaf Package-4 - (Bin Omran Trading & Contracting)
- Infrastructure FS GAPS for Al Kheesa Package-01 (Bin Omran Trading and Contracting)
- Transmission Pipelines for Mega Reservoirs GTC611/2013 - (CAT-Boom JV)
- GTC/644A/2014 Phase-6 Package-A - (Boom Construction Co.)
- Construction of Additional Pipe Line (GTC644/2014AV01) (Boom Construction Co.)
- Different Projects - HABA
- Kid's Majlis/Ain Khalid Private Palace - (AMTC)
- Taskeel Factory - Janas Contracting

AL BARAHA TECHNICAL LABORATORIES

5 – LIST OF PROJECTS TAKEN

BATLABS was involved in various projects that has served a wide range of customers. The following projects were successfully completed;

- Design and Construct New Orbital Highway and Truck Route (P023) Contact 3 (Leighton-Al Jaber)
- Roads and Infrastructure in Rawdat Abal Heeran (DW015 Package 1) - (QBS)
- Roads & Infrastructure in Al Kheesa North & East (Joint Venture (CGC-SACYR)
- Grading and Temporary Roads for the New Temporary Labor Accommodation Package 1,2,3 (Solid General)
- Roads and Infrastructure in North of Mall of Qatar & Celebration Road-Advance Grading Works - (BOTC)
- RIW in northern Areas - (Al Tawfeeq & Partners Contracting)
- Roads & Infrastructure in Al Themaid and Rawdat Egdaim - (Solid General)
- Roads & Infrastructure in Bani Hajer North, Phase 1 & Package-02 (HBK Contracting)
- Flow Diversion Schemes in Al Wajba & New Al Rayyan - (BOTC)
- Roads & Infrastructure in West of Al Meshaf Package 3 - (BOTC)
- Bypass from Rawdat Rashed Village to Umm Garn package 2 - (BOTC)
- Road Improvement works for junctions and round abouts in various areas of greater Doha, Phase-6 (Buzwair Engineering & Contracting)
- Extension of Arab League Street to Temporary Truck Route - (QBS International)
- Construction of Access Road into Wakrah Station 37- LBV - 3
- Construction of Access Road in Al Khor
- Barwa Al Khor Site Grading Works
- Doha West Sewage Treatment Works Extension No. 3 Road Works

AL BARAHA TECHNICAL LABORATORIES

5 – LIST OF PROJECTS TAKEN

BATLABS was involved in various projects that has served a wide range of customers. The following projects were successfully completed;

- GTC 115 Extension of Distribution Network in Developed Areas
- GTC 229 / 2008 Extension of Distribution Network at Doha Vicinity Phase 2
- GTC 127 Provision of Water Network at Doha and South Qatar Areas Phase 1
- Repairing and Widening of Read Near DR-1
- RIW in Muither West Area
- Qatar Gas 3 & 4 Development Project LNG Onshore for Utilities and Offsite Areas
- Resurfacing of Unpaved Areas at Doha International Airport
- New Arrival Terminal Parking at Doha International Airport
- Resurfacing of Asphalt Paving on the Driveways and Unpaved Surfaces at Doha International Airport
- Resurfacing / Repairing of Road 1st R/A to 2nd R/A in Messaieed
- RM 1081 Emergency Path Works
- Rehabilitation Work of Section of C-Ring Road
- L-Shape and Main Gate Phase 1A
- Qatar Academy 2 at Al Khor
- Ministry of AWQAF - Mosque No. 94
- CP - 15 New Doha International Airport
- Asphalt Paving Work for Q3 & Q4 Shutdown & Lay down Area
- RM 1083 / Road Maintenance in Doha Municipality
- CLSCSEF Greenfield Tank Farm, Dolphin Project Ras Laffan
- Proposed G+1+P34 Villas Compound & Ancillary Building

AL BARAHA TECHNICAL LABORATORIES

6 – LIST OF BATLABS CUSTOMERS

BATLABS has worked for a wide range of customers as an Independent Testing Laboratory.

- Boom Construction Company W.L.L
- Bin Omran Trading & Contracting Co. L.W.W
- Lotus Trading & Contracting
- Qatar Building Company
- Golden Tower Construction
- Ultracrete
- Urbacon Trading & Contracting
- Ternas Trading & Contracting
- Kahramaa
- QBS International
- Public Works Authority
- Hassan Ali Bin Ali Ready Mix
- Midmac Colas
- Al Bawakir Unicon Company W.L.L
- Janas Contracting
- Mideco Trading & Contracting
- Buzwair Engineering & Contracting
- Sanah Contracting
- Al Kholafaa
- Sea Shore
- Al Khayyat Contracting & Trading
- Al Jaber Trading & Contracting
- MATTA Contracting Qatar
- Arabian Masters Trading and Contracting (AMTC)
- Al Mohanna Trading and Contracting
- Galfar Al Misnad
- Saad Bin Hassan
- Al Watan Trading and Contracting Co.
- Hassan Ali Bin Ali (HABA)
- Noors Engineering
- Aswan Trading and Contracting
- Gulf Contracting Co. W.L.L.
- Al Sraiya Trading and Contracting Co.
- Qatar University
- Ras Laffan Industrial City
- The Arab Architechs
- Umm Salal Municipality
- Petroserve Ltd.
- Qatar Petroleum
- Aamal Cement Industries
- Geotechnical Group
- Qatar Asphalt Plant Co.
- Castle Construction
- City Square
- Fugro
- National Block Company

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

Accredited Laboratory

A2LA has accredited

AL BARAHA TECHNICAL LABORATORIES

Doha, Qatar

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 10th day of January 2019.

Senior Director, Accreditation Services
For the Accreditation Council
Certificate Number 4881.01
Valid to December 31, 2020

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

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AL BARAHA TECHNICAL LABORATORIES[2]
Al Kassarat, Street 41 Intersection
Salwa Industrial Area
Doha, Qatar 40572
Tareq Hani Abdallah Phone: +00974 55743879

CONSTRUCTION MATERIALS TESTING

Valid To: December 31, 2020 Certificate Number: 4881.01

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

Test Method:	Test Description:
Aggregates:	
ASTM C88	Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
ASTM C117	Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C123/C123M	Lightweight Particles in Aggregate
ASTM C127	Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate
ASTM C128	Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate
ASTM C131	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 C702/702M	Reducing Samples of Aggregate to Testing Size
ASTM D75/D75M[1]	Sampling Aggregates
ASTM D2419	Sand equivalent value of soils and fine aggregate
ASTM D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate
ASTM D5821	Fractured Particles in Coarse Aggregate
BS 812 Part 2 Clause 5.4	Testing aggregates Part 2: Methods for determination of Density (Particle density and water absorption)
BS 812 Part 102[1]	Testing aggregate Part 102: methods for Sampling
BS 812 Part 103 Section 103.1	Testing aggregates Part 103: Method for determination of particle size distribution. Sieve tests
BS 812 Part 105 Section 105.1	Testing aggregates Part 105: Methods for determination of particle shape. Flakiness index
BS 812 Part 105 Section 105.2	Testing aggregates Part 105: Methods for determination of particle shape. Elongation index of coarse aggregate

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5202 Presidents Court, Suite 220 | Frederick, MD 21703-8515 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

AL BARAHA TECHNICAL LABORATORIES

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

Test Method:	Test Description:
BS 812 Part 109	Testing aggregates Part 109: Methods for determination of moisture content (drying oven)
BS 812 Part 110	Testing aggregates Part 110: Methods for determination of aggregate crushing value (ACV)
BS 812 Part 111	Testing aggregates Part 111: Methods for Determination of Ten Per Cent Fines Value (TFV)
BS EN 196 Part 3	Methods of testing cement Part 3: Determination of setting times and soundness
BS EN 196 Part 7[1]	Methods of testing cement Part 7: Methods of taking and preparing samples of cement
BS EN 933 Part 1	Tests for geometrical properties of aggregates Part 1: Determination of particle size distribution. Sieving method
BS EN 933 Part 3	Tests for geometrical properties of aggregates Part 3: Determination of particle shape. Flakiness index
BS EN 933 Part 4	Tests for geometrical properties of aggregates Part 4: Determination of particle shape. Shape index (Elongation Index)
BS EN 933-7	Shell Content Percentage of Shells in Coarse Aggregates
Asphalt:	
ASTM D5	Penetration of Bituminous Materials
ASTM D36	Softening Point of Bitumen (Ring-and-Ball Apparatus)
ASTM D140/D140M[1]	Sampling Asphalt Materials
ASTM D546	Sieve Analysis of Mineral Filler
ASTM D979/D979M[1]	Sampling Bituminous Paving Mixtures
ASTM D1188	Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Coated Samples
ASTM D2041	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
ASTM D2726/D2726M	Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures
ASTM D2950	Nuclear Density of Asphalt
ASTM D2995	Estimating Application Rate and Residual Application Rate of Bituminous Distributors
ASTM D3203/D3203M	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures
ASTM D3549/D3549M	Thickness or Height of Compacted Asphalt Mixture Specimens
ASTM D5361/D5361M[1]	Sampling Compacted Bituminous Mixtures for Laboratory Testing
ASTM D5444	Mechanical Size Analysis of Extracted Aggregate
ASTM D6752/D6752M	Bulk Specific Gravity and Density of Compacted Asphalt Mixtures Using Vacuum Sealing
ASTM D6857	Maximum Specific Gravity and Density of Asphalt Mixtures using Automatic Vacuum Sealing Method
ASTM D6926	Preparation of Asphalt Mixture Specimens Using Marshall Apparatus
ASTM D6927	Marshall Stability and Flow of Asphalt Mixtures

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AL BARAHA TECHNICAL LABORATORIES

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

Test Method:	Test Description:
ASTM D6951/D6951M[1]	Use of the Dynamic Cone Penetrometer in Shallow Pavement Applications
AASHTO R 47	Reducing Sample of HMA to Test Size
BS 1377 Part 9 Section 4[1]	Methods of test for soils for civil engineering purposes Part 9: In-situ tests In-situ vertical deformation and strength tests
BS EN 1427	Bitumen and bituminous binders. Determination of the softening point. Ring and Ball method
Asphalt Mixtures:	
ASTM D70	Density of Semi-Solid Bituminous Materials (Pycnometer Method)
ASTM D2172	Quantitative extraction of bitumen from bituminous paving mixtures
ASTM D2726, Clause 10.2	Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures (Determination of Bulk Density)
BS 598 Part 104, Section 4	Sampling and examination of bituminous mixtures for roads and other paved areas. Methods of test for the determination of density and compaction (Density and thickness of asphalt cores)
BS 598 Part 107	Sampling and examination of bituminous mixtures for roads and other paved areas. Method of test for the determination of the composition of design surface course rolled asphalt (Marshall stability and flow)
BS EN 1426 BS 2000-49	Bitumen and bituminous binders. Determination of needle penetration
BS EN 12697-1	Bituminous mixtures. Test methods for hot mix asphalt. Soluble binder content
BS EN 12697-5, Clause 9.3	Bituminous mixtures. Test methods for hot mix asphalt. Determination of the maximum density
BS EN 12697-6, Clauses 9.2 & 9.3	Bituminous mixtures. Test methods for hot mix asphalt. Determination of bulk density of bituminous specimens
BS EN 12697-13	Bituminous mixtures. Test methods for hot mix asphalt. Temperature measurement
BS EN 12697-27[1]	Bituminous mixtures. Test methods for hot mix asphalt. Sampling
BS EN 12697-29	Bituminous mixtures. Test methods for hot mix asphalt. Determination of the dimensions of a bituminous specimen
BS EN 12697-30	Bituminous mixtures. Test methods for hot mix asphalt. Specimen preparation by impact compactor
BS EN 12697-34	Bituminous mixtures. Test methods for hot mix asphalt. Marshall Test (Marshall stability and flow)
BS EN 12697-36	Bituminous mixtures. Test methods for hot mix asphalt. Determination of the thickness of a bituminous pavement
BS EN 12697 Part 28	Bituminous mixtures. Test methods for hot mix asphalt. Part 28: Preparation of samples for determining binder content, water content and grading
BS EN 12697 Part 2	Bituminous mixtures. Test method for hot mix asphalt Part 2: Determination of particle size distribution
BS EN 12697 Part 8	Bituminous mixtures. Test methods for hot mix asphalt Part 8: Determination of void characteristics of bituminous specimens

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AL BARAHA TECHNICAL LABORATORIES

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

Test Method:	Test Description:
SOP/OPN/22[1]	Surface Irregularities in Concrete & Bituminous Road Surfaces By Travelling Beam Device
Cement:	
ASTM C183/C183M[1]	Sampling and the Amount of Testing of Hydraulic Cement
ASTM C187	Amount of Water Required for Normal Consistency of Hydraulic Cement Paste
ASTM C191	Time of Setting of Hydraulic Cement by Vicat Needle
BS EN 196 Part 3 +A1:2005	Methods of testing cement Part 3: Determination of setting times and soundness
BS EN 196 Part 6, Section 4.0	Methods of testing cement Part 6: Determination of fineness
Concrete:	
ASTM C31[1]	Making and Curing Concrete Test Specimens in the Field
ASTM C39	Compressive Strength of Cylindrical Concrete Specimens
ASTM C138/ C138M	Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
ASTM C140/C140M[1]	Sampling and Testing Concrete Masonry Units and Related Units
ASTM C143/C143M[1]	Slump of Hydraulic-Cement Concrete
ASTM C172[1]	Sampling of Freshly Mixed Concrete
ASTM C231/ C231M[1]	Air Content of Freshly Mixed Concrete by the Pressure Method
ASTM C494/C494M	Chemical Admixtures for Concrete
ASTM C642	Density, Absorption, and Voids in Hardened Concrete
ASTM C805/C805M[1]	Rebound Number of Hardened Concrete
ASTM C1064[1]	Temperature of Freshly Mixed Hydraulic-Cement Concrete
ASTM C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration Rapid chloride permeability test (RCPT)
BS 1881, Parts 111, 114, and 116[1]	Testing concrete. Part 111: Method of normal curing of test specimens (20°C method) Part 114: Testing concrete Methods for determination of density of hardened concrete Part 116: Method for determination of compressive strength of concrete cubes
BS 1881 Part 122	Testing concrete Part 122: Method for determination of water absorption
BS 1881 Part 208	Testing concrete Part 208: Recommendations for the determination of the initial surface absorption of concrete
BS 1924-1	General requirements, sampling, sample preparation and test on materials before stabilization
BS EN 772-11/BS EN 771-3	Determination of Coefficient of Water Absorption due to Capillary Action of Masonry Units (And other related materials)
BS EN 1338 Annex E	Determination of Total Water Absorption of Paving Blocks
BS EN 1339 Annex E	Determination of Total Water Absorption of Paving Flags
BS EN 1340 Annex C	Measurement of Dimensions for Concrete Kerb Units
BS EN 1340 Annex E	Determination of Total Absorption of Concrete Kerb Units
BS EN 12350 Part 1[1]	Testing fresh concrete. Part 1: Sampling
BS EN 12350 Part 2[1]	Testing fresh concrete Part 2: Slump test

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AL BARAHA TECHNICAL LABORATORIES

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

Test Method:	Test Description:
BS EN 12350 Part 5[1]	Testing fresh concrete Part 5: Flow table test
BS EN 12350 Part 6[1]	Testing fresh concrete Part 6: Density
BS EN 12350 Part 7[1]	Testing fresh concrete Part 7: Air content. Pressure methods
BS EN 12390, Parts 1, 3, and 7	Testing hardened concrete Part 1: Shape, dimensions and other requirements for specimens and molds Part 3: Compressive strength of test specimens Part 7: Density of hardened concrete
BS EN 12390 Part 2[1]	Testing hardened concrete Part 2: Making and curing specimens for strength tests
BS EN 12504 Part 1[1]	Testing concrete in structures Part 1: Cored specimen– taking, examining and testing in compression
BS EN 12390 Part 8	Testing hardened concrete. Part 8: Depth of penetration of water under pressure
BS EN 13286-41	Determination of the Compressive Strength of Hydraulically Bound Mixtures
BS EN 13286-51	Method for the manufacture of test specimens of hydraulic bound mixtures u sing vibrating hammer compaction
BS EN 13748 Part 1 5.5/5.8	Water Absorption of Terrazzo Tiles
DIN 1048 Part 5	Testing Concrete; Testing of Hardened Concrete (specimens prepared in mold) Part 5: Water Permeability Test of Hardened Concrete
RILEM TC14 CPC 11.3	Absorption of Water by Concrete by Immersion Under Vacuum
NT Build 492-11	Chloride ion migration
BS 6073 Appendix A	Precast concrete masonry units, measurement of dimension
BS 6073 Appendix B	Precast concrete masonry units, determination of compressive strength
BS 6717 Part 1 Ann. A & B	Precast concrete paving blocks Part 1: Determination of compressive strength
Road Markings:	
ASTM D711	No-Pick-Up Time of Traffic Paint
ASTM E1710	Measurement of Retroreflective Pavement Marking Materials with CENPrescribed Geometry Using a Portable Retroreflectometer
ASTM E2302	Measurement of the Luminance Coefficient under Diffuse Illumination of Pavement Marking Materials Using a Portable Reflectometer
BS 3262 Part 3	Hot-applied thermoplastic road marking materials Part 3: Specification for application of material to road surfaces Determination of Thickness of Road Marking Materials
BS EN 1436 +A1	Road marking materials. Road marking performance for road users Determination of Skid Resistance
Soils:	
ASTM D1140	Amount of Material in Soils Finer than No. 200 (75-m) Sieve
ASTM D1556[1]	Density and Unit Weight of Soil in Place by Sand-Cone Method

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AL BARAHA TECHNICAL LABORATORIES

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

Test Method:	Test Description:
ASTM D1557	Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft3 (2,700 kN-m/m3))
ASTM D1883	CBR (California Bearing Ratio) of Laboratory- Compacted Soils
Test Method:	Test Description:
ASTM D2216	Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D4318	Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D4718	Correction of Unit Weight and Water Content for Soils Containing Oversize Particles
ASTM D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis
ASTM D6938[1]	In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)
BS1377 Part 2 Clause 3	Methods of test for soils for civil engineering purposes Part 2: classification tests (Determination of moisture content)
BS 1377 Part 2 Clause 4.3	Methods of test for soils for civil engineering purposes Part 2: Classification tests (Determination of Liquid Limit (Cone Penetrometer))
BS 1377 Part 2 Section 4.5	Methods of test for soils for civil engineering purposes Part 2: Classification tests (Atterberg Casagrande Method)
BS 1377 Part 2 Clauses 5.3 & 5.4	Methods of test for soils for civil engineering purposes Part 2: Classification tests (Determination of Plastic Limit and Plasticity Index)
BS 1377 Part 2 Clauses 9.2 & 9.3	Methods of test for soils for civil engineering purposes Part 2: Classification tests (Determination of particle size distribution)
BS 1377 Part 4 Clauses 3.5 and 3.6	Methods of test for soils for civil engineering purposes Part 4: Compaction-related tests (Determination of dry density / moisture content relationship)
BS 1377 Part 4 Clause 7	Methods of test for soils for civil engineering purposes Part 4: Compaction-related tests (Determination of California bearing ratio)
BS 1377 Part 9 Clauses 2.1 & 2.2[1]	Methods of test for soils for civil engineering purposes Part 9: In-situ tests (Sand replacement method suitable for fine, medium and coarse-grained soils (large and small pouring cylinder method)
BS 1377 Part 9 Clause 2.5[1]	Methods for test for soils for civil engineering purposes Part 9: In-situ tests (Filed Density test by Nuclear Gauge FDT)
BS 1377 Part 9 Section 4.3[1]	Methods of test for soils for civil engineering purposes Part 9: In-situ tests Determination of the in-situ California Bearing Ratio (CBR)

[1] This laboratory meets A2LA R104 – General Requirements: Accreditation of Field Testing Laboratories for these tests.

[2] Accreditation is granted to this laboratory at the location listed above as well as the two satellite locations listed below:

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AL BARAHA TECHNICAL LABORATORIES

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

Satellite Facility Roads & Infrastructure North of Al Nasriya (DN 108-P02)	
Test Method:	**Test Description:**
Aggregate:	
ASTM C117	Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C123/C123M	Lightweight Particles in Aggregate
ASTM C127	Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate
ASTM C128	Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate
ASTM C136/C136M	Sieve Analysis of Fine and Coarse Aggregates
ASTM C142/C142M	Clay Lumps and Friable Particles in Aggregates
ASTM D75/D75M1	Sampling Aggregates
ASTM D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate
BS 812 Part 102	Testing aggregate Part 102: methods for Sampling
BS 812 Part 103 Section 103.1 - 7.2 & 7.3	Testing aggregates Part 103: Method for determination of particle size distribution. Sieve tests
BS 812 Part 109	Testing aggregates Part 109: Methods for determination of moisture content (drying oven)
Asphalt:	
ASTM D979/D979M[1]	Sampling Bituminous Paving Mixtures
ASTM D1188	Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Coated Samples
ASTM D2041/D2041M	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures
ASTM D2726/D2726M	Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures
ASTM D5361/D5361M[1]	Sampling Compacted Bituminous Mixtures for Laboratory Testing
ASTM D3549/D3549M	Thickness or Height of Compacted Asphalt Mixture Specimens
ASTM D5444	Mechanical Size Analysis of Extracted Aggregate
ASTM D6926	Preparation of Asphalt Mixture Specimens Using Marshall Apparatus
ASTM D6927	Marshall stability and Flow of Asphalt Mixtures
Asphalt Mixtures:	
ASTM D2172	Quantitative extraction of bitumen from bituminous paving mixtures
Concrete:	
ASTM C138/ C138M[1]	Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
ASTM C143/C143M[1]	Slump of Hydraulic-Cement Concrete
ASTM C231/ C231M[1]	Air Content of Freshly Mixed Concrete by the Pressure Method

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AL BARAHA TECHNICAL LABORATORIES

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

ASTM C172[1]	Sampling of Freshly Mixed Concrete
Test Method:	**Test Description:**
ASTM C1064[1]	Temperature of Freshly Mixed Hydraulic-Cement Concrete
BS EN 12350 Part 1[1]	Testing fresh concrete. Part 1: Sampling
BS EN 12350 Part 2[1]	Testing fresh concrete Part 2: Slump test
BS EN 12350 Part 5[1]	Testing fresh concrete Part 5: Flow table test
BS EN 12390, Parts 1, 3, and 7	Testing hardened concrete Part 1: Shape, dimensions and other requirements for specimens and molds Part 3: Compressive strength of test specimens Part 7: Density of hardened concrete
BS EN 12390 Part 2[1]	Testing hardened concrete Part 2: Making and curing specimens for strength tests
Soils:	
ASTM C702	Sample Reduction
ASTM D1140	Amount of Material in Soils Finer than No. 200 (75-m) Sieve
ASTM D1557	Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft3 (2,700 kN-m/m3))
ASTM D1883	CBR (California Bearing Ratio) of Laboratory- Compacted Soils
ASTM D2216	Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D2419	Sand Equivalent Value
ASTM D4318	Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D4718	Correction of Unit Weight and Water Content for Soils Containing Oversize Particles
ASTM D6913	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis

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7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

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 10th day of January 2019.

Senior Director, Accreditation Services
For the Accreditation Council
Certificate Number 4881.02
Valid to December 31, 2020

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

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AL BARAHA TECHNICAL LABORATORIES
Al Kassarat, Street 41 Intersection
Salwa Industrial Area Doha, Qatar 40572
Tareq Hani Abdallah Phone: +00974 55743879

CHEMICAL

Valid To: December 31, 2020 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	Standard Test Method for 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 water-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
BS EN 196 Part 2, Clause 4.5.11	Method of testing cement Part 2: Chemical analysis of cement - Aluminum
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

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5202 Presidents Court, Suite 220 | Frederick, MD 21703-8515 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

AL BARAHA TECHNICAL LABORATORIES

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

Test Method:	Test Description:
BS 1881 Part 124, Clause 10.3	Testing concrete Part 124: Methods for analysis of hardened concrete (Determination of Sulphate content in hardened concrete)
BS 1881 Part 124, Clause 10.2	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
Soil:	
BS 1377 Part 3, Clause 5	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 7.3	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 9	Methods of test for soils for civil engineering purposes. Chemical and electro-chemical tests (pH value)
BS 1377 Part 3, Section 3	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, Section 6	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro-chemical tests Determination of Carbonate Content
BS 1377 Part 3, Section 7	Methods of test for soils for civil engineering purposes. Part 3: Chemical and electro-chemical tests Determination of the chloride content Determination of Water Soluble Chloride Content of Soil
BS 1377 Part 3, Section 5	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	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: 22nd Edition 2012	pH
APHA 2510 B: 22nd Edition 2012	Electrical Conductivity
APHA 2540 C: 22nd Edition 2012	Total Dissolved Solids at 180 ° C.

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AL BARAHA TECHNICAL LABORATORIES

7 – BATLABS CREDENTIALS

ISO / IEC : 17025 – 2017 Certificate

Test Method:	Test Description:
APHA 5220 D: 22nd Edition 2012	Chemical Oxygen Demand
APHA 2320 B: 22nd Edition 2012	Alkalinity, Carbonate, Bicarbonate, Hydroxide Alkalinity
SOP/OPN/28	Sampling
APHA 2130 B: 22nd Edition 2012	Turbidity
HACH Method 8038	Nitrogen-Ammonia
HACH Method 8039	Nitrogen-Nitrate
HACH Method 8021 (Adapted method of APHA 4500 Cl G): 22nd Edition 2012	Chlorine
APHA 4500 Cl –B: 22nd Edition 2012	Chloride
HACH Method 8048 (Adapted method of APHA 4500 –P E): 22nd Edition 2012	Phosphorus
APHA 4500 SO4 2-C: 22nd Edition 2012	Sulphate
HACH Method 8008	Iron
APHA 2340 C: 22nd Edition 2012	Hardness
APHA 3500-Mg B: 22nd Edition 2012	Magnesium
APHA 3500-Ca B 22nd Edition 2012	Calcium
HACH Method 8506 (Adapted method of APHA 3500-Cu C): 22nd Edition 2012	Copper

7 – BATLABS CREDENTIALS

MOE Certificate

الهيئة العامة القطرية للمواصفات والتقييس
Qatar General Organization for Standardization

REGISTRATION CERTIFICATE

REGISTRATION CERTIFICATE

شهادة تسجيل مختبر خاص

وفقاً للائحة الصادرة بقرار وزير البلدية والبيئة رقم (٣٥٦) لسنة ٢٠١٧م
According to the Ministerial Decree No. (356)/2017

No: RL019 -19

Date of Issue:	29/10/2019	تاريخ اصدار الشهادة:
Date of Expiry :	29/10/2020	الصلاحية حتى:
Lab Name:	AL BARAHA TECHNICAL LABORATORIES	اسم المختبر:
Address:	Industrial Area, Street 41, PO Box: 40572, Doha-Qatar	العنوان:
CR No:	90127	رقم السجل التجاري :
Scope of Registration:	Attached مرفق	مجال التسجيل:

Notes:
1. QS has no any responsibility for poor performance by this lab during the validity period.
2. This certificate will remain valid for the period specified, subject to compliance with the Technical Regulations.
3. This certificate is invalid without the attached scope of accreditation
3. It is important to apply two months before expiry date of validity for renewal of this conformity certificate.
4. The required fee for this certificate has been stated according to the decision No. (112)/2019

Recommended by: ..... Head of CC Section

Authorized by: ..... Director of Quality & Conformity Dept

Approved by: ..... PRESEDENT, QGOS

AL BARAHA TECHNICAL LABORATORIES

7 – BATLABS CREDENTIALS

Commercial Registration

وزارة التجارة والصناعة
Ministry of Commerce and Industry

Registration and Commercial Licenses Department

إدارة التسجيل والتراخيص التجارية

مستخرج ببعض بيانات السجل التجاري

تاريخ الطباعة: 2020/06/11

رقم السجل التجاري:	90127	رقم التسجيل الضريبي:	000006586589712
الأسم التجاري:	مختبرات البراحة الفنية	السمعة التجارية:	
تاريخ انشاء السجل:	29/11/2016	تاريخ انتهاء السجل:	28/11/2020
الشكل القانوني:	شركة ذات مسئولية محدودة	رأس المال:	200000
حالة السجل:	نشط	جنسية المنشأة:	قطر
عدد الفروع:	0		

معلومات الاتصال

صندوق البريد:	40572	أرقام الاتصال:	+97450634561

المالك

الأسم	رقم الإثبات	رقم السجل	الجنسية
يوسف عبدالله محمد ال شاهين السليطي	26563400645		قطر

المدراء (المخولون بالتوقيع)

الأسم	رقم الإثبات	رقم السجل	الجنسية	الصفة (الصلاحية)
طارق هاني عبدالله	27842200715		لبنان	صلاحيات كاملة ومطلقة - مدير
يوسف عبدالله محمد ال شاهين السليطي	26563400645		قطر	صلاحيات كاملة ومطلقة - مدير

Page 1 of 2
رقم السجل : 90127

QATAR CHAMBER

تشهد غرفة تجارة و صناعة قطر بان المنشاة المذكورة اعلاه سجلت لدينا
Qatar Chamber certifies that the above mentioned establishment has been registered

7 – BATLABS CREDENTIALS

Commercial Registration

وزارة التجارة والصناعة
Ministry of Commerce and Industry

Registration and Commercial Licenses Department

إدارة التسجيل والتراخيص التجارية

مستخرج ببعض بيانات السجل التجاري

الأنشطة التجارية

الرقم	إسم النشاط
7120018	معمل فحوصات التربه والمواد الخرسانيه والاسفلتيه

الرقم	إسم النشاط
7120400	اختبار و قياس المؤشرات البيئية

Page 2 of 2
رقم السجل : 90127

غرفة قطر
QATAR CHAMBER

تشهد غرفة تجارة و صناعة قطر بان المنشاة المذكورة اعلاه سجلت لدينا
Qatar Chamber certifies that the above mentioned establishment has been registered

AL BARAHA TECHNICAL LABORATORIES

7 – BATLABS CREDENTIALS

Commercial Registration

تاريخ الطباعة: 2019/12/05
صفحة رقم: No 1 of 1

وزارة التجارة والصناعة
Ministry of Commerce and Industry

Registration and Commercial Licenses Department

إدارة التسجيل والتراخيص التجارية

رخصة تجارية

رقم الرخصة:	49755	تاريخ اصدار الرخصة:	2014/12/17
الأسم التجاري:	مختبرات البراحة الفنية	تاريخ انتهاء الرخصة:	2020/12/08
نوع المنشأة التجارية:	شركة	رقم السجل التجاري:	90127
السمة التجارية:			

بيانات المدير المسؤول :

اسم المدير المسئول:	طارق هاني عبدالله	جنسية المدير المسئول:	لبنان
رقم الإثبات:	27842200715		

نموذج ختم المنشأة التجارية :

بيانات الموقع :

تصنيف الموقع:	تجاري	عقار رقم:	182
نوع الموقع:	مختبر	رقم الدور/ الوحدة:	
المنطقة:	57 المنطقة الصناعية	اسم مالك العقار :	الدوله
الشارع:	17	نوع الرخصة :	
رقم الشارع :	17	وصف العنوان :	

الأنشطة التجارية :

رقم النشاط	إسم النشاط	رقم النشاط	إسم النشاط
7120400	اختبار و قياس المؤشرات البيئية		

دولة قطر
إدارة التسجيل والتراخيص التجارية
مدير إدارة التسجيل والتراخيص التجارية

7 – BATLABS CREDENTIALS

Computer Card

STATE OF QATAR
MINISTRY OF INTERIOR
General Directorate of Passport

دولة قطر
وزارة الداخلية
الادارة العامة للجوازات

Establishment Card بطاقـــة قيد المنشأة

Est. ID	10-2004-05	رقم قيد المنشأة
اسم المنشأة : مختبرات البراحه الفنيه		
Est. Name : AL BARAHA TECHNICAL LABORATORIES		
Sector : COMMERCIAL		القطاع : تجاري
First Issue :	2007-12-09	تاريخ اول اصدار :
Expiry Date :	2020-12-08	تاريخ الصلاحيـــة :

مدير عام الادارة العامة للجوازات

10200405

2020/06/11 46\072

Authorizers المفوضين

التوقيع	الاسم	رقم الوثيقة
	طارق هاني عبدالله TAREK ABDALLAH	27842200715
	يوسف عبدالله محمد ال شاهين السليطي YOUSUF AL-SULAITI	26563400645

Cards 1 / 1 عدد البطاقات

Instruction تعليمات

• على من يجد هذه البطاقة ان يقوم بتسليمها الى اي مركز للشرطة
• Whoever finds this card should deliver it to any police station.

7 – BATLABS CREDENTIALS

Qatar Chamber of Commerce & Industry Membership Certificate

QATAR CHAMBER OF COMMERCE & INDUSTRY
Tel : 4455 9111 | Fax: 4466 1693 - 4466 1697
P. O .Box : 402 | Doha - Qatar
E-mail : info@qcci.org | www.qatarchamber.com

غرفة قطر
QATAR CHAMBER

غرفة تجارة وصناعة قطر
هاتف : ٤٤٥٥ ٩١١١ فاكس : ٤٤٦٦ ١٦٩٧ - ٤٤٦٦ ١٦٩٣
ص.ب : ٤٠٢ ، الدوحة ، قطر
بريد إلكتروني info@qcci.org | www.qatarchamber.com

شهادة عضوية
MEMBERSHIP CERTIFICATE
Year : 2019

Qatar Chamber Of Commerce & Industry certify that

AL BARAHA TECHNICAL LABORATORIES

is a member of QCCI under Membership No 01/65224 and has (0) branches

Date: 12/12/2019

Management

Note : This certificate is valid until: 28/11/2020
* Any alterations , overwriting or amendments to this certificate shall annul it.
* Please see important notices on the back side

Our ULTIMATE GOAL is to achieve
"TOTAL CUSTOMER SATISFACTION"

BATLABs is ....

"YOUR DEPENDABLE PROJECT PARTNER"