

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Certificate of Accreditation

#### **Bolt Limited Company** **(Testing Laboratory)**

Near NCB Bank, Umer Bin Khatab Road, Tabuk Area,  
Duba- 49311, Saudi Arabia

has been assessed and accredited in accordance with the Standard  
**ISO/IEC 17025:2017**

“General Requirements for the Competence of Testing and Calibration Laboratories”  
In the field of  
**Testing**

This certificate remains valid for the Scope of Accreditation as specified  
in the annexure subject to continued compliance to the above standard &  
any other requirements specified by QAI.



**QAI/CIA/TL/2026/0171**

Valid from: 14 May 2026

Valid until: 13 May 2028

**Dr. Bhupendra Kumar Rana**  
Chief Executive Officer

**Prof. Vikram Kumar**  
Chair, CIA

User is advised to verify the current certificate and scope of accreditation by visiting our website: [www.qai.org.in](http://www.qai.org.in)



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Accreditation Standard: ISO/IEC 17025:2017

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil and Rock		
1.	Soil	Organic Matter Content in Soils by Loss-on-Ignition	ASTM D 2974

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Water		
1.	Water	Filterable Matter (TDS) and Non-filterable Matter (TSS) in Water	ASTM D-5907
2.	Water	pH	ASTM D-1293

Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
1.	Aggregate	Organic Impurities in Fine Aggregate	ASTM C 40
2.	Aggregate	Soundness of Aggregate by Use of Sodium Sulphate or Magnesium Sulphates	ASTM C-88

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Building, Infrastructure &amp; Construction Materials</b>		
1.	Aggregate	Reducing Samples of Aggregate to Testing Size	ASTM C702
2.	Aggregate	Water (Moisture Content of Soil and Rock by Mass)	ASTM D 2216
3.	Aggregate	Sieve Analysis of Coarse Aggregate	ASTM C-136
4.	Aggregate	Sieve Analysis of Fine Aggregate	ASTM-136
5.	Aggregate	Sand Equivalent Value of Soils and Fine Aggregates	ASTM D-2419
6.	Aggregate	Density	ASTM C-127
7.	Aggregate	Relative Density (Specific Gravity)	ASTM C-127
8.	Aggregate	Absorption of Coarse Aggregate	ASTM C-127
9.	Aggregate	Density	ASTM C-128
10.	Aggregate	Relative Density (Specific Gravity)	ASTM C-128
11.	Aggregate	Absorption of Coarse Aggregate	ASTM C-128

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Building, Infrastructure &amp; Construction Materials</b>		
12.	Aggregate	Clay Lumps and Friable Particles	ASTM C-142
13.	Aggregate	Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	ASTM-C131
14.	Aggregate	Particle shape (Elongation index of coarse aggregate)	BS 812-105.2
15.	Aggregate	Material Finer than 75 $\mu$ m (No.200 sieve) by Washing	ASTM C 117
16.	*Concrete	Making and Curing Concrete Test Specimens	ASTM C 31
17.	*Concrete	Temperature of Freshly Mixed Hydraulic Cement Concrete	ASTM C-1064
18.	*Concrete	Slump of Hydraulic- Cement Concrete	ASTM C-143
19.	*Concrete	Air Content of Freshly Mixed Concrete by the Pressure Method	ASTM C- 231, C232/C232M-21
20.	Concrete	Mixing Rooms, Moist Cabinets, Moist rooms and water storage Tanks	ASTM C-511

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Building, Infrastructure &amp; Construction Materials</b>		
21.	Concrete	Capping Cylindrical Concrete Specimens	ASTM C-617
22.	Concrete	Unbounded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	ASTM C-1231
23.	Concrete	Compressive Strength of Cylindrical Concrete Specimens	ASTM C-39
24.	*Concrete	Obtaining and Testing Drilled Cores and saw Beams of Concrete	ASTM C-42
25.	Concrete	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	ASTM C -78
26.	*Concrete	Bleeding of Concrete	ASTM C-232
27.	Concrete	Compressive strength of Hydraulic cement Mortars (Using 2-in. or [50 mm] cube specimens)	ASTM C109/C109M
28.	*Concrete	Length Change of Hardened Hydraulic-Cement Mortar and Concrete	ASTM-157

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Building, Infrastructure &amp; Construction Materials</b>		
29.	*Concrete	Unit Weight of Concrete Mix	ASTM C-138
30.	*Concrete	Fresh concrete Flow table test	BS EN 12350-5
31.	Concrete	Testing Concrete masonry Units and related units Density and water absorption	ASTM C140
32.	Asphalt	Quantitative Extraction of Bitumen from Bituminous Paving Mixtures	ASTM D 2172
33.	Asphalt	Mechanical Size analysis of Extracted Aggregate	ASTMD-5444
34.	Asphalt	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures	ASTMD 2041
35.	Asphalt	Preparation of Bituminous Specimens Using Marshal Apparatus	ASTMD 6926
36.	Asphalt	Bulk Specific Gravity and Density of Non- Absorptive Compacted Bituminous Mixtures	ASTMD 2726

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Building, Infrastructure &amp; Construction Materials</b>		
37.	Asphalt	Marshall Stability and Flow of Bituminous Mixtures	ASTMD 6927
38.	Asphalt	Thickness	ASTM D3549
39.	Asphalt	Application rate of bituminous distributors	ASTM D2995

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Sampling			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Building, Infrastructure &amp; Construction Materials</b>		
1.	Aggregate	Sampling of Aggregates	ASTM D75
2.	Concrete	Sampling Freshly Mixed Concrete	ASTM C-172
3.	Concrete	Sampling Concrete masonry Units and related units Density and water absorption	ASTM C140
4.	Asphalt	Sampling Bituminous Paving Mixtures	ASTMD-979
5.	Asphalt	Sampling Compacted Bituminous Mixtures for Laboratory Testing	ASTM D 5361



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil and Rock		
1.	Soil	Dry Preparation of Soil Samples for Particle-Size Analysis	ASTM D 421
2.	Soil	Soil Constants	ASTM D 421
3.	Soil	Amount of Material in Soils Finer than No.200 (75 µm) Sieve by Washing	ASTM D 1140/D 1140M

Sampling			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil and Rock		
1.	Soil	Sampling of Soil (field sampling for aggregates and sometimes soil-like granular materials)	ASTM D 421



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Soil-Basic		
1.	Soil	Liquid Limit, Plastic Limit, and Plasticity Index of Soils	ASTM D-4318
2.	Soil	California Bearing Ratio of Laboratory Compacted Soil	ASTM D-1883
3.	Soil	Laboratory Compaction Characteristics of Soil Usina Modified Effort	ASTM D-1557



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Non-Destructive Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Building Materials-Reinforced Concrete Structures</b>		
1.	*Organic coating	Measurement of Dry Film Thickness	ASTM D 6132
2.	Soil	In-Place Density (Unit-Weight)	ASTM D-7830
3.	Soil	Water Content of Soil Using an Electromagnetic Soil Density Gauge	ASTM D-7830
4.	Soil	Classification of soils for engineering purposes (unified classification system)	ASTM D-2487
5.	Soil	Density & unit weight of soil in place by sand-cone method	ASTM D-1556
6.	Soil	Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	ASTM D-6913
7.	*Concrete	Rebound number of Hardened Concrete	ASTM C-805

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