

شهادة اعتماد

رقم 002 TL



يقر نظام الاعتماد العراقي بأن:
مختبرات مكتب الاستشارات الهندسية/ كلية الهندسة/ جامعة بغداد
العراق - بغداد - الجادرية

تم اعتمادها وفقا لمتطلبات المواصفة ISO/ IEC 17025:2017
(المتطلبات العامة لاهلية مختبرات الفحص والمعايرة)

في مجال:

- اختبارات المواد الانشائية
- اختبارات المواد البلاستيكية
- اختبارات المواد المطاطية
- اختبارات الاجهزة والمعدات الكهربائية والالكترونية
- اختبارات المواد المعدنية
- اختبارات المواد الكيميائية
- اختبارات المواد البيئية

شرط التوافق مع متطلبات المواصفة اعلاه ومتطلبات IQAS الخاصة بالاعتماد
مجال الاعتماد المرفق بالشهادة يعتبر جزءا لا يتجزأ منها
يمكن الحصول على الاصدار الاحدث من مجال الاعتماد من خلال الموقع الالكتروني

<https://iqas.mop.gov.iq>

يكون الاعتماد نافذا من ٢٠٢٦/٦/٢٨ الى ٢٠٢٨/٦/٢٧
تاريخ منح الاعتماد لأول مرة
٢٠١٥/١١/١٧

فالح ساري
وزير المالية
وزير التخطيط/ وكالة

محمد آيدن عمر
مدير عام الهيئة/ وكالة

ACCREDITATION CERTIFICATE

No. TL 002



Iraqi Accreditation System Certify that:

Consulting Engineering Bureau Laboratories (CEBL)
Engineering College/ Baghdad University

Iraq –Baghdad- Aljadyria

Is accredited according to the requirements of the standard ISO/IEC 17025:2017
(General Requirements for the Competence of Testing and Calibration Laboratories)

In the field of:

- Construction Materials Testing
- Metallurgical Materials Testing
- Polymer Materials Testing
- Chemical Materials Testing
- Rubber Materials Testing
- Environmental Materials Testing
- Electrical & Electronic Devices Testing

This accreditation is subject to with the above standard & IQAS requirements

The scope of accreditation is attached to the certificate & considered as part of it

The most recent issue of the accreditation scope is available on IQAS website

<https://iqas.mop.gov.iq>

Accreditation is valid From 28/6/2026 To 27/6/2028

Initial accreditation date

17/11/2015

Mohammed Ayden Omar
Director General of IQAS

Falih Sari
Minister of Finance
Minister of Planning

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
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Signature: Abdul Wahid M. Ibrahim Deputy General Manager	Accreditation is valid: From 28/6/2026 To 27/6/2028	Issue no.: 009

Testing field	Type of test	Test object or product	Reference to Standardized Method
Mechanical and Physical	Determination of Elongation	Carbon Structural Steel	ASTM A370 ASTM A36 ASTM A529 ASTM A283 EN 10025, EN 10002
	Determination of Tensile Strength		
	Determination of Yield Strength		
	Determination of Dimensions		
	Determination of Bending		
Mechanical and Physical	Determination of Tensile Strength	Carbon-Steel Wire and Welded Wire Reinforcement	ASTM A370 ASTM A1064
	Determination of Yield Strength		
	Determination of Bending		
	Determination of Weld Shear		
	Determination of Weight		
	Determination of Dimensions		
	Determination of Spacing		
Mechanical and Physical	Determination of Elongation	Anchor Bolt	ASTM F 1554 ASTM F 606 ASTM A 370
	Determination of Tensile Strength		
	Determination Yield Strength		
	Determination of Dimensions		
	Determination Axial Tensile Strength		
	Determination Elongation in 50mm		
	Determination Elongation in 200mm		
Chemical	Determination of Zinc Coating Thickness	Zinc Coatings on Iron and Steel Products	ASTM A90 ASTM A123 ASTM E 376, ISO 1416
Mechanical and Physical	Determination of Elongation	Steel Reinforcing Bars	ASTM A370 ASTM A615 ISO 6935 I.Q.S 5052 I.Q.S 5264 BS 4449 JIS G 3112
	Determination of Tensile Strength		
	Determination of Yield Strength		
	Determination of Bending		
	Deformation of Requirements		
	Determination of Weight		
	Determination of Dimensions		
Mechanical and Physical	Determination of Dimensions	Strand for Prestressed Concrete	ASTM F 1061 ASTM F 416 ASTM A 370
	Determination of Weight		
	Determination of Breaking strength		

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Mechanical and Physical	Determination of Elongation	Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed)	ASTM A 653 ASTM A370 ASTM A90
	Determination of Tensile Strength		
	Determination of Yield Strength		
	Determination of Dimensions		
	Determination of Zinc Coating Thickness		
Mechanical and Physical	Determination of Dimensions	Aluminum Extruded Bars, Rods, Wire, Profiles, and Tubes	ASTM B 557 ASTM B 221
	Determination of Tensile Strength		
	Determination Yield Strength		
	Determination of Elongation		
Mechanical, Chemical and Physical	Determination of Dimensions	Bolt, Nut and Washer	ISO 898 ISO 6892 ISO 2178 ISO 10684 ISO 7090 ISO 1416
	Determination of Tensile Strength		
	Determination Yield Strength		
	Determination of Elongation		
	Determination of Zinc Coating Thickness		
Mechanical and Physical	Determination of Thickness	Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	ASTM A370 ASTM A53 ASTM A106 BS 1387 BS 4568 BS EN 10255 BS EN 877 ASTM A 210
	Determination of Elongation		
	Determination of Tensile Strength		
	Determination Yield Strength		
	Determination of Pressure		
	Determination of Dimensions		
Mechanical and Physical	Determination of Elongation	Ductile Iron Pipes, Fittings, Accessories and Their Joints for Water Applications	ISO 2531 I.Q.S 2306 ASTM A 377 ASTM A 536 ISO 7186 BS EN 545
	Determination of Tensile Strength		
	Determination Yield Strength		
	Determination of Dimensions		
	Determination of Iron Wall Thickness		
	Determination of Pressure		
	Determination of Cement Mortar Lining Thickness		
	Determination of Surface Condition		
Mechanical	Determination of Pipe Coating	Unplasticized	DIN 8061
	Determination of Surface Quality		

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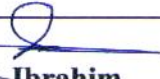
and Physical	Determination of Dimensions, Tolerances and out-of-Roundness	polyvinyl chloride (PVC-U) pipes and Fitting	DIN 8062 DIN 8063 DIN 1187 DIN EN ISO 1167 I.Q.S 5037 I.Q.S 1512 I.Q.S 5113 I.Q.S 5160/1-3 ISO 4435 ISO 4422 ASTM D 3311 ASTM D 2466 ASTM D2241 ASTM D 1785 I.Q.S 5197/1-3 BS EN 1329
	Determination of Long-Term Hydrostatic Pressure		
	Determination of Weight		
	Determination of Impact Strength		
	Determination of Heat Reversion		
Mechanical and Physical	Determination of Dimensions	GRP Piped	I.Q.S 5140 ISO 23856 BS EN 14364 ASTM D 3262
	Determination of Appearance		
	Determination of Initial Longitudinal Tensile Strength		
Mechanical and Physical	Determination of Dimensions	Gulley Top and Manhole	EN 124 I.Q.S 1490
	Determination of Applied Load		
Toxicity Materials	Determination of Extractability of Toxicity Materials	Extractability of Toxicity Materials in Water	I.G.O 215 BS 6920
Chemical and Physical	Determination of Total Dissolved Solid	Water For Making concrete	I.G.O 671 I.Q.S 1703 I.G.O 67 I.G.O 205 ASTM C1602
	Determination of Chloride Ion		
	Determination of Sulfate Ion		
	Determination of PH		
Mechanical and Physical	Determination of form Supplied and Surface Quality	Polypropylene (PP) Pipes and Fitting	DIN 8077 DIN 8078 DIN 16962 ISO 15874 I.Q.S 5075/1-3
	Determination of Dimensions, Tolerances and out-of-Roundness		
	Determination of Long-Term Hydrostatic		

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	Pressure		I.Q.S 5197/1-3
	Determination of Weight		
	Determination of Heat Reversion		
	Determination of TDS content		
Mechanical and Physical	Determination of Surface Quality	Polyethylene (PE) Pipes and Fitting	ISO 1167
	Determination of Dimensions		ISO 6259
	Determination of Elongation at Break		ISO 3126
	Determination of Longitudinal Reversion		ISO 4427
	Determination of Hydrostatic Pressure		BS EN 12205
	Determination of Tolerances and out-of-Roundness		BS EN 12201
	Determination of Density		ISO 8772
			I.Q.S 2143
			I.Q.S 5156/1-3
			I.Q.S 5197/1-3
			I.Q.S 5262
			I.Q.S 5271/1–4
Mechanical, Chemical and Physical	Determination of Compressive Strength	Cement	I.G.O 198
	Determination of Soundness		I.G.O 198/1
	Determination of Fineness		I.G.O 198/2
	Determination of Setting Time		I.G.O 198/3
	Determination of SiO ₂ contents		I.G.O 472
	Determination of CaO contents		I.Q.S No. 5
	Determination of MgO contents		ASTM C 109
	Determination of Fe ₂ O ₃ content		BS EN 196
	Determination of Al ₂ O ₃ content		I.Q.S 2080
	Determination of Loss of Ignition		I.Q.S No. 54
	Determination of Insoluble Residue		I.G.O 823
	Determination SO ₃ contents		I.G.O 902
	Compressive Strength of Hydraulic Cement Mortars		I.G.O 911
			I.G.O 1191
			I.G.O 1340
			I.G.O 1353
Mechanical, Chemical and Physical	Determination of Compressive Strength	Limestone Portland cement	I.Q.S 5285
	Determination of Soundness		I.G.O 198
	Determination of Fineness		I.G.O 472

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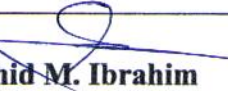
	Determination of Setting Time Determination of SiO₂ contents Determination of CaO contents Determination of MgO contents Determination of Fe₂O₃ content Determination of Al₂O₃ content Determination of Loss of Ignition Determination of Insoluble Residue Determination SO₃ contents		BS EN 196 1
Mechanical, Chemical and Physical	Determination of Compressive Strength Determination of Modulus of Rupture Determination of Fineness Determination of Setting Time Soluble and Magnesium Salts Determination of CaO contents Determination of Combined Water Determination SO₃ contents Determination of Impurities Determination of Loss on Ignition	Building Gypsum	I.Q.S 28 I.Q.S 1042 I.G.O 62 I.G.O 273
Mechanical, Chemical and Physical	Determination of Dimension Determination of Density Determination of Steel bars Determination of Sos	Concrete pipes	AASHTO T280 ASTM C497 I.Q.S 1432 I.Q.S 1433 ASTM C 506
Mechanical and Physical	Determination of Compressive Strength Determination of Absorption Determination of Dimension	Concrete Interlocking Paving Units	I.Q.S 5164 ASTM C140 I.Q.S No. 1606 ASTM C 418
Mechanical and Physical	Determination of Dimensions Determination of General Appearance and Shape Determination of Density Determination of Compressive Strength Determination of Absorption	Cellular Concrete Blocks (Thermostone)	I.G.O 809 I.G.O 810 BS 772 I.Q.S 1441

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Mechanical and Physical	Determination of Compressive Strength	Clay Building Bricks	I.Q.S 24
	Determination of Absorption		I.Q.S 25
	Determination of Dimension		I.Q.S 2419
	Determination of General Appearance and Shape		
	Determination of Leveling of Surface		
	Determination of Water Absorption		
	Determination of Efflorescence		
Mechanical and Physical	Determination of Flexural	Ordinary and Terrazzo Tiles	I.Q.S 1042
	Determination of Dimensions		I.Q.S 1043
	Determination of Absorption		I.O.G 2281
	Determination of Appearance		I.Q.S 5038
	Determination of Wear		I.O.G 31
	Determination of Abrasion		
Mechanical and Physical	Determination of Flexural	Precast Concrete Flags	I.Q.S 1107
	Determination of Dimension		I.G.O 995
	Determination of Absorption		
	Determination Face Leveling		
	Determination of Absorption		
Mechanical and Physical	Determination of Dimension	Load Bearing Concrete Masonry Units	I.Q.S 32
	Determination of Absorption		ASTM C 140
	Determination of Compressive Strength		ASTM C 90
Mechanical and Physical	Determination of Compressive Strength	Concrete Cube	I.O.G 448
	Determination of Density		I.Q.S 1077
Mechanical and Physical	Determination of Compressive Strength	Concrete Kurb	I.O.G 348
	Determination of Density		I.G.O 274
			IBC 1/1987
			IBC 304
			BS EN 12390
			I.G.O 37
			I.G.O 280
			I.G.O 354
			I.G.O 448

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and Physical	Determination of Dimensions	Units	I.Q.S 1106
	Determination of Absorption		I.Q.S 5164
	Determination of Appearance		I.G.O 1401/1
	Determination of Texture		I.G.O 1401/2 I.G.O 1401/3 I.G.O 1401/4
Mechanical and Physical	Determination of Dimensions	Nonloadbearing Concrete Masonry Units	I.Q.S 5190
	Determination of Absorption		ASTM C 129
	Determination of Compressive Strength		ASTM C140
	Determination of Finish and Appearance		I.O.G 448 I.Q.S 1129
Mechanical and Physical	Determination of Dimensions	Ceramic Tiles	ISO 13006
	Determination of Surface Quality		ISO 10545
	Determination of Modulus of Rupture		I.Q.S 1627
	Determination of Breaking Strength		I.Q.S 5250
	Determination of Water Absorption		I.G.O 1367/1-6 (Technical Requirement 8/2017)
Physical and Chemical	Determination of Grading (Sieve Analysis)	Coarse Aggregate (gravel)	I.Q.S 45
	Determination of Light Weight Particles		I.Q.S 30
	Determination of Clay Lumps and Friable Particles		I.Q.S 31
	Determination of SO ₃ Contents		I.G.O 500/1
	Determination of finer than 0.075mm		I.G.O 500/2
	Resistance to Degradation		I.G.O 500/3 I.G.O 500/4 ASTM C 131 I.Q.S 29 I.Q.S 1555 I.Q.S 1294
Physical and Chemical	Determination of Grading (Sieve Analysis)	Fine Aggregate (sand)	I.Q.S 45
	Determination of Light Weight Particles		I.Q.S 30
	Determination of Clay Lumps and Friable Particles		I.Q.S 31
	Determination of SO ₃ Contents		I.Q.S 29 I.G.O 500/1

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	Determination of finer than 0.075mm Resistance to Degradation		I.G.O 500/2 I.G.O 500/3 I.G.O 500/4 ASTM C 131 I.Q.S 1555 I.Q.S 2321
Physical and Mechanical	Determination of Appearance Determination of Density Determination of Modulus of Rupture Determination of Water Absorption Determination of Compression Strength Determination of Wear Resistance	Natural Dimension Stone	I.Q.S 1387 I.G.O 65/1-4 I.Q.S 5127 I.G.O 1389
Physical and Mechanical	Determination of Standard Test Method for Marshall Stability and Flow and Air Void and Bulk Density Determination of Quantitative Extraction of Asphalt Binder from Asphalt Mixtures Determination of Compaction and Thickness Determination of Standard test Method for Asphalt Content of Asphalt Mixture and Sieve Analysis	Asphalt Concrete	ASTM D6927 ASTM D2172 ASTM D3549 ASTM D6307 ASTM C 136 I.Q.S 5119 I.Q.S 685 AASHTO/ T166 Earth Manual /R9
Physical and Mechanical	Determination of Breaking Strength Determination of Pliability Determination of Loss on Heating Determination of Thickness Determination of Heating Resistance Determination of Cracking	Bituminous Sheet Material	ASTM D5147 ASTM D146 I.Q.S 4 I.Q.S 5225 I.Q.S 5307
Physical and Mechanical	Determination of Cone Penetration Determination of Flow Determination of Bond	Sealants and Fillers, Hot and Cold- Applied, for Joints and Cracks	ASTM D5329 I.Q.S 1110 I.Q.S 1117 I.Q.S 1136 I.Q.S 1172 I.Q.S 1288
Physical and	Determination of Weight per Litter	Emulsified	ASTM D1227

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Mechanical	Determination of Residue by Evaporation	Asphalt	
	Determination of Ash Content of Residue		
	Determination of Water Content		
	Determination of Flammability		
	Determination of Heat Test		
	Determination of Flexibility		
Physical and Mechanical	Determination of Weight per Litter	Emulsified Asphalt Used as A Protective Coating for Roofing	I.G.O 1059 I.Q.S 1195 I.Q.S 1173 ASTM D 2939 IBC 502
	Determination of Residue by Evaporation		
	Determination of Ash Content of Residue		
	Determination of Water Content		
	Determination of Flexibility		
	Determination of Resistance to Water		
	Determination of Firm Set		
	Determination of Heat Test		
	Determination of Direct Falm Test		
Physical and Mechanical	Determination of Flexibility	Cutback Asphalt	ASTM D2027 ASTM D2028 AASHTO M 81 AASHTO M 82 I.Q.S 486
	Determination of Flash Point		
	Determination of Residue from Distillation to 360°C		
	Determination of Water, %		
	Determination of Residue Solubility in Trichloroethylene		
	Determination of Tests on residue:		
	Determination of Viscosity at 60°C Determination of Ductility at 25°C		
Physical and Mechanical	Determination of Penetration Test	Asphalt Used in Roofing	ASTM D 5 ASTM D36 ASTM D92 ASTM D113 I.Q.S 1196
	Determination of Ductility		
	Determination of Flash Point		
	Determination of Softening Point		
	Determination of Solubility in Trichloroethylene		
Physical and Mechanical	Determination of Penetration Test	Asphalt Used in Road	ASTM D 5 ASTM D36 ASTM D92
	Determination of Ductility		
	Determination of Flash Point		

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	Determination of Softening Point Determination of Solubility in Trichloroethylene		ASTM D113
Physical and Mechanical	Determination of Rotational Viscosity Determination of Dynamic Shear Rheometer Determination of Bending Beam Rheometer Determination of Flash point	Performance - Grading Asphalt Binder	AASHTO M320
Physical and Mechanical	Determination of Multiple Stress Creep Recovery (MSCR) Test of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	(MSCR) Test of Asphalt Binder	AASHTO M350
Physical and Mechanical	Determination of Estimating Fatigue Resistance of Asphalt Binders Using the Linear Amplitude	(LAS) Test of Asphalt Binder	AASHTO T 391
Physical, Chemical and Mechanical	Determination of Grading (Sieve Analysis) Determination of California Bearing Ratio Determination of Clay Lumps Determination of Liquid Limits Determination of Plastics Limits Determination of Los-Angeles Abrasion Determination of Maximum Dry Density Determination of Density and Unit Weight of Soil in Site Determination of SO₃ Contents Determination of Organic Matter Determination of Gypsum Content Determination of T.S.S Contents	Sub base	ASTM C136 ASTM D1557 ASTM D1883 ASTM D 4318 ASTM D2167 ASTM D1556 SCR B/R6 B.S 1377 Earth manual E8 AASHTO T 180
Physical and Chemical	Determination of TSS, Cl, SO₃, and Organic content for Soil Determination of PH, Cl, SO₄, and TDS for Water Determination of Atterberg Limits (Liquid Limit and Plastics Limit)	Soil Investigation	Earth manual E8 ASTM D 4318 ASTM D 3080 ASTM D 422 BS 1377 ASTM D 2216 ASTM D 1586

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	Determination of Direct Shear Test Determination of Grain Size Analysis Determination of Weight Determination of Neutral Water Content Determination of Field Standard Penetration Test Determination of Unconfined Compression Test Determination of Specific Gravity Determination of One-Dimensional Consolidation Determination of Consolidated Undrained Triaxial Compression Test Determination of Measurement of Soil Resistivity Determination of Cross Hole Seismic Determination of Seismic Survey Ground Penetrating Radar (GPR)		ASTM D 2166 ASTM D 854 ASTM D 2435 ASTM D 4767 ASTM G 57 ASTM D 4428 I.Q.S 303 ASTM D6432 I.G.O 9/A I.G.O 9/B I.G.O 9/C I.G.O 9/E I.G.O 9/H I.G.O 153 I.G.O 895 I.G.O 997
Physical, Chemical and Mechanical	Determination of Density of Soil in Place by the Drive-Cylinder Determination of Maximum Dry Density Determination of Grading (sieve analysis) Determination of finer than 0.075mm Determination of the Liquid Limit, Plastic Limit, and the Plasticity Index of Soils Determination of California Bearing Ratio Determination of SO₃ Contents Determination of Field Density	Soil	ASTM D2937 ASTM D698 ASTM D1557 ASTM C136 ASTM D1140 ASTM D4318 ASTM D1883 B.S 1377 Earth Manual (E8) ASTM D 7830 SORB/R5
Physical, Electrical and Mechanical	Determination of Dimensions Determination of Finish and Appearance Determination of DC voltage test Determination of Max. Conductor Resistance	Electrical Wire and Cable	IEC 60227 BS EN 50525 IEC 60502 IEC 60228 I.Q.S 1145

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	Determination of Elongation for Insulation, Sheath and Conductor Determination of Tensile Strength for Insulation, Sheath and Conductor Determination of Yield Strength for Insulation, Sheath and Conductor Determination of Breaking Load		
Electrical and Physical	Routine test Determination of Viscosity Determination of Flash point Tan delta test dissipation	Electrical Transformers	IEC 60076 ASTM D445 ASTM D92 IEC 60247
Electrical and Physical	Routine test Determination of DC voltage test	Circuit breaker	IEC 60947 IEC 60898
Physical and Mechanical	Determination of Elongation Determination of Tensile Strength Determination of Yield Strength Determination of Dimensions Determination of Zinc Coating Thickness	Tubular Steel Poles for Suspension Lattice Steel Poles	MOE D22 MOE D46 MOE D48
Physical and Mechanical	Determination of Dimensions Determination of Elongation Determination of Tensile Strength Determination of Yield Strength Determination of Zinc Coating Thickness	Octagonal and Decorative Street Lighting poles	MOE D13 ASTM E 376 ASTM E 415 DIN 17100 ASTM A 123 ASTM A90
Physical and Mechanical	Determination of Appearance Determination of Wet Density Determination of Pot Time Determination of Adhesion Strength Determination of Slip	Grouts and Adhesion Material of Ceramic	BS EN 1348 BS EN 1346 BS EN 1308 BS EN 12004 ISO 13007 I.Q.S 1476 I.G.O 861 I.G.O 1404 I.G.O 1425
Physical and	Determination of Appearance	Epoxy products	ISO 3233

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
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Signature:  Abdul Wahid M. Ibrahim Deputy General Manager	Accreditation is valid: From 28/6/2026 To 27/6/2028	Issue no.: 009

Mechanical	Determination of Solids by Volume		ASTM D 570 ASTM D 2369 ASTM D 2240 ASTM D 695 ASTM D 638 ASTM C884 ASTM C881 ASTM C882 ASTM C1308
	Determination of Volatile organic		
	Determination of Compounds VOC		
	Determination of Density		
	Determination of Pot life		
	Determination of (Touch) dry		
Physical and Mechanical	Determination of Compression Strength	Concrete Admixtures	I.Q.S 1431
Nondestructive of Concrete	Determination of Compression Strength in Site	Ultrasonic Pulse Velocity (UPV) Tester	BS 1881 Part 203 ASTM C 597 Clients Requirements
Nondestructive of Concrete	Determination of Compression Strength in Site	Rebound Hammer Test (Schmidt Hammer)	ASTM C 805 Clients Requirements
Nondestructive of Concrete	Determination of Compression Strength	Drilled Core	ASTM C 42 ASTM C 823 IBC Code 1/1987 IBC 304 Clients Requirements I.G.O 818
Nondestructive of Concrete	Determination of Pull-Off Strength of Coatings	Pull-off Test for coating in Site	Clients Requirements BS EN ISO 02808 ISO 4624 ASTM D 7234 ASTM D 4541, EN 1504
Nondestructive of Concrete	Structural Evaluation of Existing Concrete Buildings	Load of Concrete Structures	IBC Code 1/1987 IBC 304 ACI 318, ACI 437.2 ASTM D 1194
Nondestructive of Concrete	Determination of Bond Strength of Steel Rebar	Pullout Test for Rebar in Site	Clients Requirements BS 08539, ASTM E488 ACI 355.2

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Physical and Mechanical	Determination of appearance	Gypsum Boards	ASTM C 473 I.Q.S 1676 I.Q.S 5173 I.Q.S 5006 I.Q.S 5019
	Determination of dimensions		
	Determination of moisture movement		
	Determination of moisture content		
	Determination of water absorption		
	Determination of flexural strength		
	Determination of density		
	Determination of permeability		
Physical and Mechanical	Determination of appearance	Cement Boards	ASTM C1185 BS EN 12467
	Determination of dimensions		
	Determination of - end squareness		
	Determination of edge type		
	Determination of humidified deflection		
	Determination of Nile pull resistance		
	Determination of flexural strength		
	Determination of absorption		
Noise	Determination of density		
	Sound transmission class	Noise	IBC 503 ASTM E90 ASTM C423 ASTM E492, ISO 3382
	Noise reduction coefficient		
	Impact insulation class		
	Reverberation time		
Examination of Nondestructive Test	Liquid penetrant test	Steel Structure Pipeline Structure	ASME B31.1 API 1104 AWS D1.1
	Magnetic particle examination		
	Visual examination		
	Ultrasonic		
Physical	Test of expansion joint	Bridge Expansion Joint test	ASTM D 4014
Physical	Test of rubber Pads	Bridge Rubber Pads	ASTM D4014 ASTM D412 ASTM D395 ASTM D2240 ASTM D1149



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