

شهادة اعتماد

رقم TL 076



يقر نظام الاعتماد العراقي بأن:
**مختبر بغداد العالمية للفحوصات الهندسية محدودة
المسؤولية شركة خاصة**

العراق - بغداد - الكرخ - العطيفية - مجاور مستشفى الكرخ
تم اعتماده وفقا لمتطلبات المواصفة ISO/ IEC 17025:2017
(المتطلبات العامة لاهلية مختبرات الفحص والمعايرة)

في مجال:

- اختبارات المواد الانشائية
- اختبارات المواد المعدنية
- اختبارات المواد البلاستيكية
- اختبارات المواد الكيميائية

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

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

يكون الاعتماد نافذا من ٢٠٢٤/٧/١٨ الى ٢٠٢٦/٥/٢٦

تاريخ منح الاعتماد لأول مرة
٢٠٢٢/٥/٣١

نفذ
أ.د. محمد علي تميم
نائب رئيس مجلس الوزراء
وزير التخطيط

مستند
د. محمد لطيف أحمد
مدير عام الهيئة العراقية للاعتماد

ACCREDITATION CERTIFICATE

No. TL 076



Iraqi Accreditation System Certify that:

Baghdad International Laboratory for Engineering Tests Limited Liability Private Company

Iraq – Baghdad -Alkarkh - Alatifia- nearby Alkarkh hospital

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

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 18/7/2024 To 26/5/2026

Initial accreditation date

31/5/2022

Dr. Mohammed Lateef Ahmed
General Manager of IQAS

Dr. Mohammed Ali Tamim
Deputy Prime Minister
Minister of Planning

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
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Testing field	Type of test	Test object or product	Reference to standardized method
Mechanical	Determination of compressive strength	Concrete cube	-Iraqi guide no.348:2017 -BS EN12390-3:2009
Physical	Determination of density	Concrete cube	Iraqi guide no. 274:1992
Mechanical	Determination of modulus of rupture and breaking strength	Pre- cast Concrete tiles	IQS 1107:1992
Mechanical	Determination of modulus of rupture and breaking strength	Ceramic Tiles	-Iraqi Technical requirements no 8 -EN ISO 10545 PART 4
Mechanical	Determination of stability and flow	Asphalt mixtures	ASTM D6927-15
	Preparation of asphalt mixture Specimens using Marshall apparatus		ASTM D6926-20
Mechanical and Physical	determination of elongation	Carbon Structural Steel	ASTM A370 ASTM A36 ASTM A529
	determination of tensile strength		
	determination yield strength		
	determination of dimensions		
Mechanical and Physical	Determination of Elongation	Steel Reinforcing Bars	ASTM A370 ASTM A615M
	Determination of Tensile strength		
	Determination Yield strength		
	Determination Bending		
	Deformation Requirements		
	Determination of Weight		
	Determination of Dimensions		

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Mechanical and Physical	Determination of Tensile strength	Carbon-Steel Wire and Welded Wire Reinforcement	ASTM A370 ASTM A1406
	Determination Yield strength		
	Determination Bending		
	Deformation Requirements		
	Determination of Weight		
	Determination of Dimensions		
	Spacing		
Chemical Testing	Zinc Coating Thickness	Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products	ASTM A90 ASTM A123
Mechanical and Physical	Determination of Thickness	Pipe, Steel, Black and Hot Dipped, Zinc-Coated, Welded and Seamless	ASTM A370 ASTM A53 ASTM A106
	Determination of Elongation		
	Determination of Tensile strength		
	Determination Yield strength		
	Determination of Dimensions		
Mechanical and Physical	Determination of Elongation	Ductile iron pipes, fittings, accessories and their joints for water applications	ISO 2531
	Determination of Tensile strength		
	Determination Yield strength		
	Determination of Dimensions		

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	Iron Wall Thickness		
	Cement Mortar Lining Thickness		
	Surface Condition		
	Pipe Coating		
Mechanical and Physical	Determination of form Supplied and Surface Quality	Unplasticized polyvinyl chloride (PVC-U) pipes	DIN 8061 DIN 8062
	Dimensions, Tolerances and out-of Roundness		
	Long-Term Hydrostatic Pressure		
	Determination of Weight		
	Impact Strength		
	Heat Reversion		
Mechanical and Physical	Determination of form Supplied and Surface Quality	Polypropylene (PP) Pipes	DIN 8077 DIN 8078
	Dimensions, Tolerances and out-of Roundness		
	Long-Term Hydrostatic Pressure		
	Determination of Weight		
	Heat Reversion		
Chemical and Physical	Determination of Compressive Strength	Cement	I.G.O 198 I.Q.S No. 5
	Determination of Setting Time		
	Determination of SiO ₂ contents		I.G.O 472 I.Q.S No. 5
	Determination of CaO contents		
	Determination of MgO contents		

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	Determination of Fe₂O₃ content Determination of Al₂O₃ content Determination of Loss of Ignition Determination of Insoluble Residue Determination SO₃ contents		
Mechanical and Physical	Determination of Compressive Strength Determination of Absorption Determination of Dimensions	Concrete Interlocking Paving Units	ASTM C140 I.Q.S No. 1606
Mechanical and Physical	Determination of compressive strength Determination of modulus rupture and breaking strength Determination of hardness Determination of Setting time Determination of Smoothness	Gypsum	I.Q.S NO.28:1988
	Determination of Compressive Strength Determination of Absorption Determination of Dimensions Determination of General Mechanical Appearance and Shape Determination of Leveling of Surface Determination of Dimensions Determination of Water Absorption	Clay Building Bricks	I.Q.S 24 I.Q.S 25

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	Determination of Efflorescence		
	Determination of compressive strength	Concrete core	Iraqi guide no.1:1987
	Determination of density		Iraqi guide no. 247:1992
	Determination of Dimensions	Concrete Masonry Units	I.Q.S 32
	Determination of Absorption		ASTM C140
	Determination of Compressive Strength		
	Determination of Flexural	Terrazzo Tiles	I.Q.S 1042
	Determination of Dimensions		
	Determination of Absorption		
Physical	Determination of Appearance		
	Determination of Wear		
	Determination of Flexural	Precast Concrete Flags	I.Q.S 1107 I.G.O 995
	Determination of Dimensions		
	Determination of Absorption		
	Determination Face Leveling		
	Determination of Bending	Concrete Kurb Units	ISO 1340 I.Q.S 5164
	Determination of Dimensions		
	Determination of Absorption		
	Determination of Texture		
	Determination of Dimensions	Nonloadbearing Concrete Masonry Units	I.Q.S 5190
	Determination of Absorption		
	Determination of Compressive Strength		
	Determination of Finish and Appearance		
	Determination of Dimensions and anical Surface Quality	Ceramic Tiles	ISO 13006 ISO 10545-2
	Determination of Modulus of Rupture and Breaking Strength		ISO 13006 ISO 10545-4

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	Determination of Grading (Sieve Analysis)	Coarse Aggregate (gravel)	I.Q.S 45
	Determination of Finer Than 0.075mm		
Chemical	Determination SO ₃ contents	Fine Aggregate (sand)	I.G.O 500/3
	Determination of Grading (Sieve Analysis)		I.Q.S 45
Chemical	Determination of Finer Than 0.075mm		
	Determination SO ₃ contents		I.G.O 500/3
Physical	Standard test Method for Marshall Stability and Flow and Air Void and Bulk Density	Asphalt Concrete	ASTM D6927
	Quantitative Extraction of Asphalt Binder from Asphalt Mixtures		ASTM D2172
	Determination of Compaction and Thickness		ASTM D3549
	Standard test Method for Asphalt Content of Asphalt Mixture and Sieve Analysis		ASTM D6307 ASTM D136
	Determination of breaking strength	Bituminous sheet material	ASTM D5147
	Determination of pliability		
	Determination of thickness		
	Determination of Loss on Heating		ASTM D146
	Cone Penetration	Sealants and Fillers, Hot and Cold- Applied for Joints and Cracks	ASTM D5329
	Flow		I.Q.S 1110
	Bond		I.Q.S 1136
	Weight per Litter	Emulsified Asphalt	ASTM D1227
	Residue by Evaporation		I.Q.S 1173
Chemical Testing	Ash Content of Residue		
	Water Content		

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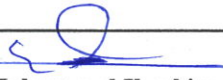
	Flammability	Cutback Asphalt	ASTM D2027 ASTMD2028 AASHTO M 81 AASHTO M 82
	Heat Test		
	Flexibility		
	Kinematic Viscosity		
	Flash Point		
	Residue from Distillation to 360°C		
Chemical	Water,%	Asphalt Used in Roofing	ASTM D5 ASTM D36 ASTM D92 ASTM D113 I.Q.S 1196
	Residue Solubility in Trichloroethylene		
Physical	Tests on residue: Viscosity at 60°C Ductility at 25°C		
	Penetration Test		
	Ductility		
	Flash Point		
	Softening Point		
	Solubility in Trichloroethylene		
	Determination of Grading (Sieve Analysis)		
	Determination of Maximum Dry Density		
	Determination of California Bearing Ratio		
	Determination of Density and Unit Weight of Soil in Place		
Chemical	Testing Determination of SO ₃ contents	Sub base	ASTM C136
Chemical	Determination of T.S.S contents		ASTM D1557
Physical	Determination of Density of Soil in Place by the Drive-Cylinder Method	Soil	ASTM D1883
			ASTM D2167 ASTM D1556
Chemical	Testing Determination of SO ₃ contents	Soil	B.S 1377-3
			Earth manual E8
Physical	Determination of Density of Soil in Place by the Drive-Cylinder Method	Soil	ASTM D2937

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	Determination of Maximum Dry Density		ASTM D698
	Determination of Grading (Sieve Analysis)		ASTM D1557
	Determination of Finer Than 0.075mm		ASTM C136
	Determination of the liquid limit, plastic limit, and the plaspicity index of soils		ASTM D1140
	Determination of California Bearing Ratio		ASTM D4318
Chemical	Determination of SO ₃ contents	Soil Investigation	ASTM D1883
	Determination of TSS, CI, SO ₃ , and Organic content for soil, PH, CI, SO ₄ , and TDS for water		B.S 1377-3
Physical	Determination of Atterberg Limits (liquid limit and plastics limit)		B.S 1377
	Determination of Direct Shear		Earth manual E8
	Determination of Grain Size Analysis		ASTM D 4318
	Determination of Weight		ASTM D 3080
	Neutral Water Content		ASTM D 422
	Field Standard Penetration Test		B.S 1377
	Unconfined Compression Test		ASTM D 2216
	Specific Gravity		ASTM D 1586
	Consolidation Test		ASTM D 2166
			ASTM D 854
			ASTM D 2435

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Physical and Mechanical	Dimension	Manhole cover	BS EN 124 IQS 1490
	Load bearing		
	Group and classification		
	Uses		
Physical and mechanical	Maximum load	Load test for concrete structure	ACI-318
	Deflection		
Physical and mechanical	Maximum load	Pile Load test	ASTM D-1143 Iraqi building code 302 م.ب.ع
	Deflection		
Physical and mechanical	Maximum load	Plate load test	ASTM D-1196
	Deflection		
Physical and mechanical	Dimension	Sandwich panel	ASTM D7249 EN 13501-1
	Density of isolation materials		
Physical and Chemical	compressive strength of isolation materials	Chlorine Powder	ISIRI 2361
	Appearance		
	Chlorine		
	Density, g/ml		
	Na ₂ CiO ₃ , %w/v		
	Na ₂ CiO ₃		
	Fe		
	Co		
	Cu		
	Ni		
	Hg		
	As		
	Cd		
	Cr		
	Pb		
	Sb		
	Se		

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Physical and mechanical	Dimension	Foam	ASTM C272 ASTM C203 ASTM D2126 ASTM D1621 EN 13501-
	Density		
	Water absorption		
	Compressive resistance		
	Flexural strength		
Physical and Chemical	pH	Aluminum sulfate Powder	HG 2225-2010 CDC 6 (960) DTZS BS EN 878: 2016
	Melting point		
	Density		
	Water solubility		
	Appearance		
	Al ₂ O ₃		
Chemical	Quantity of Pb	Extractability of toxicity materials in water	I.Q.S 417
	Quantity of Cd		
	Quantity of Hg		
	Quantity of Sn		
	Quantity of Ni		
	Quantity of MN		
	Quantity of Cr		
	Quantity of Fe		
	Quantity of Zn		
	Fe ₂ O ₃		
	Water insoluble matter		
	Particle Size		
Physical and mechanical	Type and class	Adhesive materials	EN:12004
	Extended Open Time		
	Tensile strength		
	Slip-Resistance		
Physical and mechanical	Dimension	Cement Board	ASTM C 1185 ASTM C 518 ASTM C 696
	Density		
	Water absorption		

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	Compressive resistance		ASTM D 1037 EN 13501-1
	Thermal Expansion		
Physical and mechanical	Dimension	Gypsum Board	IQS 1676 EN 520 EN 13501-1
	Density		
	Deviation due to humidity		
	Compressive resistance		
Physical and mechanical	Dimension	Wool materials	IQS 1470
	Density		
	Absorption		
	Compressive resistance		
	Thermal stability		
Physical and mechanical	Density	Epoxy materials	EN ISO 527 ASTM 638 ASTM 790 ASTM D 2240 ASTM C 307
	Flash point		
	Solubility in water		
	Tensile Strength		
	Flexural Strength		
	Physical state		
	Coat thickness		
	Solid content		
	Full curing		
Physical and chemical	Density	Filter materials	IQS 1555
	Grading limit		
	SO ₃ percentage		
	Solubility in HCL		
	Organic content		
	Silica content		
	Sieve analysis		
Physical , mechanical and chemical	Spacing and Diameter of steel bar	Concrete pipe	AASHTO T280-06 IQS 1432
	Area of reinforcement		
	Absorption		

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	Compressive strength		
	Cover of reinforcement		
	Shape and defect point		
	SO ₃ content		
Chemical	Carbon	steel section (plate, pipe, shape) and steel bars	ASTM A36
	Manganese		
	Phosphorus		
	Sulfur		
	Silicon		
	Cooper		
	Carbon		
Physical and mechanical	Dimension	Nondestructive test (ultrasonic and hammer)	ASTM C 597 ASTM C 805
	Compressive strength		
Physical and mechanical	Dimension	Lamella sheet	ISO 11922-1 ASTM D938 ASTM D1004 ASTM D1204
	Tensile strength		
	Elongation at break		
	Linear dimensional change		
Chemical	SO ₃	Water for contraction purpose	IQS 1703 IQS.2270
	Carbonate and bicarbonate		
	Chloride		
	Inorganic impurities		
	Organic impurities		
	TDS (mg/l)		
	Hardness		
	pH		