

شهادة اعتماد

رقم TL 089



يقر نظام الاعتماد العراقي بأن:
مختبرات المكتب الاستشاري الهندسي/ كلية الهندسة/ جامعة النهرين
العراق- بغداد - الجادرية

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

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

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 ٢٠٢٤/١٠/٩ الى ٢٠٢٦/١٠/٨
تاريخ منح الاعتماد لأول مرة
٢٠٢٢/٩/٢٦

تفند

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

المهندس
عبد الواحد محمد ابراهيم
ع/ مدير عام الهيئة العراقية للاعتماد

ACCREDITATION CERTIFICATE

No. TL 089



Iraqi Accreditation System Certify that:

**Engineering Consultancy Bureau Laboratories/
College of Engineering /Al-Nahrain University**

Iraq –Baghdad- Al-Jadryia

Is accredited according to the requirements of the standard ISO/IEC17025:2017
(General Requirements for the Competence of Testing and Calibration Laboratories)

In the field of:

- Construction Materials Testing
- Metallurgical Materials Testing
- Polymer Materials Testing

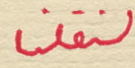
This accreditation is subject to with the above standard & IQAS requirements
The scope of accreditation is attached to the certificate & considered as part of it

The most recent issue of the accreditation scope is available on IQAS website
<https://iqas.mop.gov.iq>

Accreditation is valid From 9/10/2024 To 8/10/2026

Initial accreditation date
26/9/2022


Eng. Abdul Wahid Mohammed Ibrahim
Instead of 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 EN 12390-3: 2009
Physical	Determination of density	Concrete Cube	Iraqi guide no. 247: 1992
Physical and Mechanical	Determination of density	Sub base	ASTM D1556 M
	Determination of Grading (sieve analysis)		ASTM D1241
	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort		ASTM D1557
	Determination of Atterberg limits (Liquid, Plastic Limits and plasticity Index)		ASTM D4318-17
	Determination of California Bearing Ratio		ASTM 1883
	L.A. abrasion test		ASTM D2486
	Determination of Finer than 0.075 mm		ASTM D1140
Chemical	Determination of TSS, CL, SO ₃ , and Organic content	Soil	BS 1377, Earth Manual E8
Physical and Mechanical Testing	Determination of Field Density		ASTM D2937
	Determination of Atterberg limits (Liquid, Plastic Limits and plasticity Index)		ASTM D4318-17
	Determination of maximum dry density		ASTM D7263
	Determination of California Bearing Ratio		ASTM 1883
	Determination of Finer than 0.075 mm		ASTM D1140

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Chemical	Determination of TSS, CL, SO ₃ , and Organic content			BS 1377, Earth Manual E8
Physical and Mechanical Testing	Marshall Stability and Flow and Bulk Density and Air Void Content of Asphalt Mixtures		Asphalt	ASTM D6927
	Standard Test Method for Asphalt Content of Asphalt Mixture and Sieve Analysis			ASTM 6307 ASTM D136
	Determination of Compaction Degree and Thickness for Asphalt Pavement			ASTM D3549
Physical and Mechanical Testing	Determination of breaking strength		Bituminous Sheet Material	ASTM D5147
	Determination of pliability			
	Determination of thickness			
	Determination of Loss on Heat			ASTM D146
Physical and Mechanical Testing	Weight per litter Test		Emulsified Asphalt	ASTM D1227 I.Q.S 1173
	Residue by evaporation Test			
	Ash content Test			
	Water content Test			
	Flammability Test			
	Heat Test			
	Flexibility Test			
Physical and Mechanical Testing	Kinematic Viscosity Test		Cutback Asphalt	ASTM D2037 ASTM D 2028 ASSHTO M81 AASHTO M82
	Flash Point Test			
	Residue from Distillation to 360 C ⁰			
	Residue Solubility in Trichloroethylene			
	Test on residue Test	Viscosity at 60 C ⁰		
		Viscosity at 25 C ⁰		

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Physical and Mechanical	Cone Penetration Test	Sealants and fillers, hot and cold applies for joints and cracks	ASTM D5329 I.Q.S 1110 I.Q.S. 1136
	Flow Test		
	Bond Test		
Physical and Chemical	Penetration Test	Asphalt used in Roofing	ASTM D36 ASTM D92 ASTM D113 ASTM D5 I.Q.S 1196
	Ductility Test		
	Flash Point Test		
	Softening Point		
	Solubility in Trichloroethylene		
Physical	Surface Regularity of Pavement	Asphalt Pavement	SORB R 9
Physical and Chemical	Determination of Grading (sieve analysis)	Fine Aggregate (Sand)	IQS 45
	Determination of Finer than 0.075 mm		
	Determination of SO ₃ contents		
Physical and Chemical	Determination of Grading (sieve analysis)	Coarse Aggregate (Gravel)	IQS 45
	Determination of Finer than 0.075 mm		
	Determination of SO ₃ contents		
	Determination of Density		
Physical and Mechanical	Determination of Dimensions	Concrete Masonry units	I.Q.S 32 ASTM C140
	Determination of Absorption		
	Determination of Compressive Strength		
Physical and Mechanical	Determination of Dimensions	Precast Concrete Flags	I.Q.S 1107
	Determination of Absorption		
	Determination of Flexural Strength		

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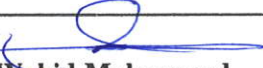
Physical and Mechanical	Appearance	Terrazzo Tiles	I.Q.S 1042
	Determination of Dimensions		
	Determination of Absorption		
	Determination of Flexural Strength		
Physical and Mechanical	Appearance	Concrete Kurb Units	ISO 1340 I.Q.S 5164
	Determination of Dimensions		
	Determination of Absorption		
	Determination of Flexural Strength		
Physical and Mechanical	Determination of Dimensions	Non-Loading Bearing Concrete Masonry Units	I.Q.S 5190
	Determination of Absorption		
	Determination of Compressive Strength		
Physical and Mechanical	Appearance	Ceramic Tiles	I.Q.S 1704
	Determination of Dimensions		
	Determination of Absorption		
	Determination of Flexural Strength		
Physical and Mechanical	Determination of Dimensions	Concrete Interlocking Paving Units	ASTM C140 I.Q.S 1606
	Determination of Absorption		
	Determination of Compressive Strength		
Chemical	Zinc Coating Thickness	Zinc calvinized coating on Iron and Steel Products	ASTM A90 ASTM A123

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Physical and Chemical	Determination of TSS-CL-SO3-Organic Content (Soil)	Soil Investigation	BS 1377 / Earth Manual E8
	Ph-CL-SO4-TDS (Water)		ASTM D 4318
	Determination of Atterberg limits (Liquid, Plastic Limits and plasticity Index)		ASTM D 854
	Specific Gravity		ASTM D 2166
	Unconfined Compression Test		ASTM D 3080
	Determination of Direct Shear Test		ASTM D 2435
	Consolidation Test		ASTM D422
	Determination of Grain Size Analysis		BS 1377
	Determination of Unit Weight		ASTM D1586
	Field Standard Penetration Test		ASTM D 2216
	Natural Water Content		
Physical and Chemical	Determination of compressive strength	Cement	I.Q.S 5
	Determination of setting time		
	Determination of soundness and fineness		
	Determination of Fe ₂ O ₃ Contents		
	Determination of Al ₂ O ₃ Contents		
	Determination of MgO Contents		
	Determination of CaO Contents		
	Determination of SiO ₂ Contents		
	Determination of SO ₃ Contents		
	Determination of Loss of Ignition		
	Determination of Insoluble Residue		

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Physical	Determination of Compressive Strength	Gypsum	I.Q.S 28
	Determination of Modulus of Rupture		
	Determination of Setting Time		
	Determination of Hardness		
	Determination of compressive strength	Clay Building Bricks	I.Q.S 24 I.Q.S 25
	Determination of dimensions		
	Determination of absorption		
	Appearance		
	Determination of efflorescence		
Physical and Mechanical	Determination of Tensile strength	Carbon-Steel wire and welded wire reinforcement Reinforcing	ASTM A370 / A615
	Determination of Bending		
	Determination of Elongation		
	Determination of Weight		
	Determination of Dimensions		
	Determination of Spacing		
Physical and Mechanical	Determination of Surface Quality	Polyvinyl Chloride Pipes (PVC- U) Pipes	DIN 8061-8062 Guide NO.215/1991
	Determination of Tolerance and out of Roundness		
	Determination of Long -Term Hydrostatic Pressure		
	Determination of Weight		
Chemical	Determination of Toxicity content		
Physical and Mechanical	Determination of Surface Quality	Ductile Iron Pipes, Fittings	ISO 2531 Guide NO.215/1991
	Determination of Tensile strength		
	Determination of Yield Strength		
	Determination of Elongation		
	Determination of Dimensions		

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	Determination of Cement Mortar Lining Thickness		
	Determination of Long -Term Hydrostatic Pressure		
	Determination of Weight		
Chemical	Determination of Toxicity content		
Physical and Mechanical	Determination of Thickness	Steel, seamless black steel pipes	ASTM A 370 ASTM A 53 ASTM A106 Guide NO.215/1991
	Determination of Tensile strength		
	Determination of Yield Strength		
	Determination of Elongation		
	Determination of Dimensions		
Chemical	Determination of Toxicity content		
Physical and Mechanical	Determination of Compressive Strength	Clay building bricks	I.Q.S 24 I.Q.S 25
	Determination of Dimensions		
	Determination of Absorption		
	Appearance		
	Determination of Efflorescence		
Physical and Mechanical Testing	Determination of Tensile strength	Carbon-Steel wire and welded wire reinforcement Reinforcing	ASTM A370 / ASTM A615
	Determination of Bending		
	Determination of Elongation		
	Determination of Weight		
	Determination of Dimensions		
	Determination of Spacing		
Physical and Mechanical Testing	Determination of Surface Quality	Polyvinyl Chloride Pipes (PVC- U) Pipes	DIN 8061-8062 Guide NO.215/1991
	Determination of Tolerance and out of Roundness		
	Determination of Long -Term		

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	Hydrostatic Pressure		
	Determination of Weight		
Chemical Testing	Determination of Toxicity content		
Physical and Mechanical	Determination of surface quality	Ductile Iron Pipes, Fittings	ISO 2531 Guide NO.215/1991
	Determination of tensile strength		
	Determination of yield strength		
	Determination of elongation		
	Determination of dimensions		
	Determination of cement mortar lining thickness		
	Determination of long -term hydrostatic pressure		
	Determination of weight		
Chemical	Determination of toxicity content		
Physical and Mechanical	Determination of thickness	Steel, Seamless Black Steel Pipes	ASTM A 370 ASTM A 53 ASTM A106 Guide NO.215/1991
	Determination of tensile strength		
	Determination of yield strength		
	Determination of elongation		
	Determination of dimensions		
Chemical	Determination of Toxicity content		
Physical and Mechanical	Determination of Surface Quality	Polypropylene (PP) Pipes	DIN 8077-8078 Guide NO.215/1991
	Determination of Tolerance and out of Roundness		
	Determination of Long -Term Hydrostatic Pressure		
	Heat Reversion		
Chemical	Determination of Toxicity content		

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Physical and chemical	Determination of Kinematic viscosity	Prime Coat	ASTM D2027
	Determination of Distillation test		
	Determination of percent volume by difference Tests on residue from distillation		
	Determination of Ductility		
	Determination of Solubility		
Physical and chemical	Determination of Kinematic viscosity	Tack Coat	ASTM D2028 ASTM D2028M
	Determination of Distillation test		
	Determination of percent volume by difference Tests on residue from distillation		
	Determination of Ductility		
	Determination of Solubility		