

شهادة اعتماد

رقم TL 162



يقر نظام الاعتماد العراقي بأن:
**مختبر شركة الابداع لفحص التربة والركائز ومواد البناء
محدودة المسؤولية**

العراق - بابل - شارع ٨٠ - مقابل مدينة ألعاب ارض بابل

تم اعتماده وفقاً 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

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

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

يكون الاعتماد نافذاً من ٢٠٢٦/٥/١٢ الى ٢٠٢٨/٥/١١
تاريخ منح الاعتماد لأول مرة
٢٠٢٤/٥/٨

فالح ساري
وزير المالية
وزير التخطيط/ وكالة

محمد أيمن عمر
مدير عام الهيئة/ وكالة

ACCREDITATION CERTIFICATE

No. TL 162



Iraqi Accreditation System Certify that:

Laboratory of Al-Ebdaa Company for Soil Investigation Piles Test & Materials Test Ltd

Iraq – Babylon –Street 80 –opposite Babylon land games city

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 12/5/2026 To 11/5/2028

Initial accreditation date

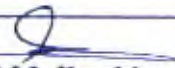
8/5/2024

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
Organization address: Iraq – Babylon –Street 80 – opposite Babylon land games city	Organization name: Laboratory of Al-Ebdaa Company for Soil Investigation Piles Test & Materials Test Ltd	Accreditation no.: TL 162
Signature:  Abdul Wahid M. Ibrahim Deputy General Manager	Accreditation is valid: From 12/5/2026 To 11/5/2028	Issue no.: 002

Testing field	Type of test	Test object or product	Reference to standardized method
Mechanical & Physical	Determination of Compressive Strength Determination of Density and dimension	Concrete cube	Iraqi Guide no.348: 2017 Iraqi Building code no 1/ 1987 General Specification for Roads and Bridges chapter 8:1999
Chemical	Determination SO ₃ and cl		I.Q.S 2281
Mechanical& Physical	Determination of modulus rapture Determination of water absorption and dimensions and Hardness of surface	Ceramic Tiles Glazed and unglazed	I.Q.S No 1704 /1992 part (1-2-3-4) I.Q.S No 1627 /1991 EN ISO 10545 Part 4-2& ISO 13006 Iraqi Guide no.256/7/3 :1993
Chemical	Chemical resistance		Iraqi Guide no.256/all part :1993
Mechanical Physical	Determination of breaking strength Determination of water absorption and dimensions	Terrazzo tiles and ordinary tiles	I.Q.S No 1042&1043 /1984 Iraqi Guide no.31: 1989
Mechanical	Determination of Compressive Strength	Concrete core	ASTM C4203
Physical	Determination of water absorption		
Chemical	Determination SO ₃ and cl		I.Q.S 2281
Mechanical	Determination of Compressive Strength	Clay brick	I.Q.S No 24 /1988 I.Q.S No 25 /1988
Physical	Determination Density and dimension		
Physical	Determination of water absorption		
Physical	Determination of efflorescence		
Mechanical	Determination of breaking strength	Block clay & concrete	I.Q.S No 1077 /1989 Iraqi Guide no.32: 1989
Physical	Determination of water absorption and dimensions and efflorescence		
Chemical	Determination SO ₃		I.Q.S 2281

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Mechanical	Determination of Compressive Strength	Solid concrete interlocking paving units	I.Q.S No 1606 /2017 ASTM C 140
Physical	Determination of water absorption		I.Q.S 2281
Chemical	Determination SO ₃ and cl		
Mechanical	Determination of Compressive Strength	Cement	I.Q.S No 5 /2019 Iraqi Guide no.198: 1990
Physical	Determination of setting time		ASTM C204 BS EN 196-6 B.S.12 part 2:1971
	Determination of fineness		
	Determination of Soundness		
Chemical	Determination SO ₃		الدليل الاسترشادي العراقي رقم ٤٧٢ لسنة ١٩٩٣ التحليل الكيماوي للاسمنت البورتلاندي
	Determination Mgo		
	Determination Fe ₂ O ₃		
	Determination SiO ₂		
	Determination Cao		
	Determination I.R		
	Determination L.O.I		
Chemical	Determination Al ₂ O ₃		
Mechanical & Physical	Determination of Compressive Strength and breaking strength	Gypsum	I.Q.S No 28 /1988
	Determination of setting time		
	Determination of fineness		
Chemical	Determination of free moisture content		Iraqi Guide no.273: 1991
	Determination of combined water of gypsum		
	Determination of CO ₂ and insoluble matter		
	Determination SiO ₂		
	Determination Al ₂ O ₃ + Fe ₂ O ₃		
	Determination Mgo		
	Determination Cao		

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	Determination SO ₃		
	Determination L.O.I and NaCl		
Physical & Mechanical	Determination of maximum dry density	Soil	ASTM D 698/00
	Determination of filed density by the cylinder method		ASTM D 2937/00
	Determination of liquid limit and plastic limit		ASTM D 4318/00
	Determination of organic materials by burn method		ASTM D 2974/00
	Determination of California bearing ratio		ASTM D 1883/99
	Determination of maximum dry density		ASTM D 698/00
Chemical	Determination SO ₃ and TSS and gypsum		Iraqi Guide no.9ح: 1990 B.s 1377 no 5:1990 E8:1980 ASTM D2974:00
Physical	Determination of maximum dry density	Sub base	ASTM D1557/00 General Specification for Roads and Bridges R6:1999&2003
	Determination of filed density by the sand cone method		ASTM D1556/00 General Specification for Roads and Bridges R6:1999&2003
	Determination of sieve analysis		ASTM C136/82 General Specification for Roads and Bridges R6:1999&2003
	Determination of California bearing ratio		ASTM D 1883/99
Chemical	Determination SO ₃ and TSS and		Iraqi Guide no.9ح: 1990 B.s 1377 no 5:1990

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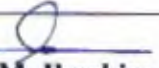
	gypsum		E8:1980 ASTM D2974:00
Physical & Mechanical	Determination of elongation	Reinforcing steel bar	ASTM / A370 ASTM /A615
	Determination of tensile strength		
	Determination of yield strength		
Physical & Mechanical	Determination of elongation & thickness	Steel sections	-ASTM / A370:20
	Determination of yield strength		
	Determination of tensile strength		
Physical & Mechanical	Determination of dimension	Bolt	-ASTM / A370:20
	Determination of yield strength		
	Determination of Ultimate strength		
Physical & Mechanical	Determination of actual and nominal dimension and actual diameter	(BRC)	Iraqi Guide no.154
	Determination of yield strength		
	Determination of Ultimate strength		
	Determination of elongation		
Physical & Mechanical	Determination of visual inspection	Pipe steel , black and hot –dipped . zinc – coated weldwd	- ASTM / A370&A53M
	Determination of elongation		
	Determination of tensile strength		
Physical & Mechanical	Determination of visual inspection	Strand	ASTM 416
	Determination of diameter		
	Determination of cross section area		
	Determination of tensile strength		
	Determination of elongation		
Physical & Mechanical	Determination of visual inspection	Hot – Dip galvanizing	ASTM A123/A123M
	Determination Of Coating thickness		
Physical & Mechanical& chemical	Determination of spacing and diameter of steel bar	Concrete pipe	AASHTOO T280-06 IQS 1432
	of Area of Reinforcement Determination		

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	absorption and Compressive Determination of Strength Determination of SO ₃ Shape and defect point Determination of Determination of cover Reinforcement		
Physical & Mechanical	Standard test method for Marshall stability and flow and air void and bulk density	Asphalt	ASTM D 6927
	Quantitative extraction of asphalt binder from asphalt mixture		ASTM D 2172
	Determination of compaction and thickness		ASTM D 3549
	Standard test method for asphalt content of asphalt mixture and sieve analysis		ASTM D 6307 ASTM D 136
	Determination of loss on heating		ASTM D 146
	Kinematic viscosity		ASTM D 2027
	Residue from distillation to 360 °c		ASTM D 2028
	Water %		AASHTO M 81
	Viscosity at 60 °c		AASHTO M 82
	Ductility at 25 °c		
	Penetration test		ASTM D 36
	Ductility		ASTM D 92
	Flash and point		ASTM D 113
	Softening point		I.Q.S 1196
	Solubility in trichloroethylene		ASTM D 5
	Regularity test		SORB /R9 :1999&2003
Physical & Mechanical	Standard Test Method for Rebound Number of Hardened Concret	Concrete	ASTM C 597
	Standard Test Method for Ultrasonic Pulse Velocity		ASTM C 805

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Chemical	Determination SO ₃	Water	IQS 1703 IQS 2270
	Determination TSS		
	Determination TDS		
	Determination CL		
	Determination PH		
	Determination of Pb , Cd. Hg,Sa,Ni,Mn,Cr,Fe,Zn		IQS 417
Physical & Mechanical& chemical	Density	Filter material	IQS 1555
	Grading limit		
	Determination SO ₃		
	Determination of organic materials		
	Determination of sieve analysis		
	Determination of Silica		
	Solubility in HCL		
Physical & Mechanical	Density	Epoxy material	EN ISO 527 ASTM 638 ASTM 790 ASTM D2240 ASTM C307
	Flash point		
	Tensile and flexural strength of Determination		
	Full curing		
	Solid content		
	Physical state		
	Solubility in water		
Physical & Mechanical	Type and class	Adhesive material	EN 12004
	Extended open time		
	Slip resistance		
	Determination of tensile strength		
Physical & Mechanical& chemical	Determination of sieve analysis and clay	Coarse aggregate	IQS 45 Iraqi Guide no.500/3
	Determination of finer than 0.075 mm		
	Determination SO ₃		
Physical &	Determination of sieve analysis and	Fine aggregate	IQS 45

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Mechanical & Chemical	clay		Iraqi Guide no.500/3
	Determination of finer than 0.075 mm		
	Determination SO ₃		
Physical & Mechanical & Chemical	Determination of modulus rupture	Pre- cast concrete kerbs and channel	IQS 1106
	Determination of water absorption and dimensions		
	Determination SO ₃		I.Q.S 2281
Physical & Mechanical	Determination of dimensions	Ductile iron pipe , fitting , accessories and their joints for water application and (PVC-UPVC) pipes and Fitting and GRP&&PPR	DIN 8061 – 8062-8077-8062 EN 11671 ISO 2531
	Pressure of Ductile pipe		
	Appearance		
	Elongation %		
	Hydrostatic Pressure		
	Impact resistance		
	Tensile strength MP		
	Flattening resistance		
	VST (Co)		
	Longitudinal reversion		
	Resistance to dichloromethane at specified temperature		
	Cover of zinc /Ductile pipe		
Chemical	Determination of Pb , Cd, Hg, Sa, Ni, Mn, Cr, Fe, Zn	Pre- cast concrete flags	IQS 1107 I.Q.S 2281
Physical & Mechanical & Chemical	Determination of modulus rupture		
	Determination of water absorption and dimensions		
	Determination SO ₃		