

شهادة اعتماد

رقم TL 144



يقر نظام الاعتماد العراقي بأن:

**مختبرات شركة شط العرب للتحليلات المخبرية وفحوصات المواد الانشائية
محدودة المسؤولية**

العراق - البصرة - الساعي

تم اعتمادها 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
- اختبارات المواد المطاطية
- الاختبارات اللااتلافية
- اختبارات الاجهزة والمعدات الكهربائية والإلكترونية

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 ٢٠٢٣/١١/١٩ الى ٢٠٢٥/١١/١٨
تاريخ منح الاعتماد لأول مرة
٢٠٢٣/١١/١٩

تفقد

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

د. محمد لطيف أحمد

مدير عام الهيئة العراقية للاعتماد/ وكالة

٢٠٢٣/١١/١٩

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 144



Iraqi Accreditation System Certify that:

Laboratories of Shatt Al-Arab Company for Laboratory Analysis and Testing of Construction Materials / Limited Liability Company

Iraq- Basra- Al-Sai

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
- Polymers Materials Testing
- Chemical Materials Testing
- Rubber Materials Testing
- Non Destructive 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 19/11/2023 To 18/11/2025

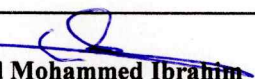
Initial accreditation date

19/11/2023

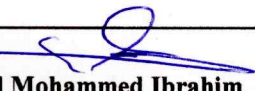
Dr. Mohammed Lateef Ahmed
General Manager of IQAS

Dr. Mohammed Ali Tamin
Deputy Prime Minister
Minister of Planning

23-11-2023

	استمارة مجال الاعتماد Scope of Accreditation form	نظام الاعتماد العراقي IQAS
Organization address: Iraq- Basra- Al-Sai	Organization name : Laboratories of Shatt Al-Arab Company for Laboratory Analysis and Testing of Construction Materials / Limited Liability Company	Accreditation no.: TL 144
Signature:  Abdul Wahid Mohammed Ibrahim Deputy General Manager	Accreditation is valid: From 19/11/2023 To 18/11/2025	Issue no. : 001

Testing field	Type of test	Test object or product	Reference to standardized method
Mechanical	Determination of compressive strength	Concrete cube	Iraqi guide:348:2017
Mechanical	Determination density	Concrete cube	Iraqi guide:274:1992
Mechanical	Determination of compressive strength	Clay brick	IQS: 24 IQS: 25
Physical	Determination of Absorption	Clay brick	IQS: 24 IQS: 25
Physical	Determination of Dimension	Clay brick	IQS: 24 IQS: 25
Mechanical	Determination of Modulus of Rupture	Concrete tile	IQS: 1107:1987
Physical	Determination of Penetration	Bituminous	ASTM D5:2013
Physical	Determination of Ductility	Bituminous	ASTM D113:2007
Physical	Determination of Softening	Bituminous	ASTM D36:2014
Physical	Sieve analysis for hot mix asphalt	Asphalt	ASTM D5444:2015
Physical	Bulk specific gravity and density of non-absorptive compacted asphalt mixtures	Asphalt	ASTM D2726:2004
Physical	Sampling compacted bituminous mixtures	Bituminous mixtures	ASTM D5361
Physical	Determination of density	Bituminous felt	IQS 4/1988
Physical	Density and unit weight of soil in place by sand – cone method	Soil Sub base	ASTM D1556-15e1
Mechanical	Determination of Compressive strength	Cement	Iraqi guide: 198:1990
Physical	Determination Setting time (initial & final)	Cement	Iraqi guide: 198:1990
Physical	Determination of Consistency	Cement	Iraqi guide: 198:1990
Physical	Sieve analysis	Sand and grave	ASTM C33 ASTM C117 ASTM C136
Physical	Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates	Sub base	ASTM D1246 ASTM C33 ASTM C136

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Physical	Standard Test Method for Density of Soil in Place by the Drive-Cylinder Method	Soil	ASTM D2937-10
Physical	Determination of laboratory compaction characteristics using modified effort (2,700 KN-m/m ³)	Soil Sub base	ASTM D1557 -12e1
Physical	Soil investigation Determining subsurface liquid levels in a borehole or monitoring well (observation well)	Soil	BS5930:1999+L2:2010 ASTM C33 ASTM C117 ASTM D1557 ASTM D1556 ASTM D1587 ASTM DI452 ASTM D2217 ASTM D2216 ASTM D4750
	Soil investigation Wet preparation of soil samples for particle-size analysis and determination of soil		
	Soil investigation Laboratory determination of water (moisture) content of soil and rock by mass		
	Soil investigation Thin-walled tube sampling of soils for geotechnical purposes		
	Soil investigation Soil exploration and sampling by auger borings		
	Soil investigation density on site		
	Soil investigation max. dry density		
	Soil investigation sieve analysis		
Mechanical	Determination of chloride	Sand aggregate sub base	Iraqi guide 500:1994 BSEN: 1744-1:2049 +A1:2012
Chemical	Determination of Sulphate	Sand aggregate sub base	Iraqi guide 500:1994 BS EN: 1744-1:2009 +A1:2012
Chemical	Determination of Sulphate	Concrete	IQS 448:1994
Chemical	Measurement of Solids Content	mixing water in ready mixed concrete	ASTM C1603:2016
	Determination of pH		ISO 4316:1977 IQS 1703

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Chemical	- Determination of measurement of solid content -Determination of pH	mixing water in reading mixed concrete	ASTM C1603 : 2016
Physical	Determine specific gravity and water absorption rate of cross aggregate and fine aggregate	Aggregate	IQS: 31/1981
Mechanical	Determination of compressive strength	Inter locking paver block	IQS: 1606/2006
Chemical	Determination of Chemical analysis X-ray fluorescence	Cement	BS 196-2 : 2013
Physical	Determination of Absorption	Inter locking paver block	IQS: 1606/2006
Physical	Determination of Density	Bituminous felt (water proof)	IQS: 4/1988
	Determination of firefighting		
	Determination of heating loss		
Mechanical	Determination of compressive strength	Block	ASTM C140/C140M-15
Physical	Determination of Absorption	Block	ASTM C140/C140M-15
Mechanical	Determination of Modulus of Rupture	Curbstone	IQS: 1106/1987
Physical	Determination of Absorption	Curbstone	IQS: 1106 /1987
Examination of Non-destructive	Standard Test Method for Ultrasonic Pulse Velocity Through Concrete	Concrete	ASTM C597
Examination of Non-destructive	Standard Test Method for Rebound Number of Hardened Concrete	Concrete	ASTM C805
Physical	Standard Test Method for Penetration of Bituminous Materials Section 9 Instructional Video	Bituminous	ASTM D5:2013
Physical	Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)	Bituminous	ASTM D36:2014
Physical	Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction	Bituminous	ASTM D1751

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	(No extruding and Resilient Bituminous Types)		
Physical	Standard Test Method for Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	Bituminous	ASTM D6648
Physical	Determination of flash points	Bituminous	IQS: 134/1987
Mechanical	Standard Test Method for High-Strain Dynamic Testing of Deep Foundation	Piles	ASTM D4945
Mechanical	Standard Test Methods for Deep Foundation Elements Under Static Lateral Load	Piles	ASTM- D3966 ASTM-1143-81 ASTM D-4945
Physical	Standard Test Method for Repetitive Static Plate Tests of Soils and Flexible Pavement Components for Use in Evaluation and Design of Airport and Highway Pavements	Piles	ASTM D1195 ASTM D1196
Physical	Standard Test Method for Effect of Heat and Air on a Moving Film of Asphalt Binder (Rolling Thin-Film Oven Test)	Polymer Bituminous	AASHTO TP5 AASHTO T240 ASTM D 2872
Physical	Elastic Recovery of polymers Bituminous	Polymer bituminous	ASTM D 6084:2013 AASHTO T301
Physical	Marshal test for Asphalt	Asphalt	ASTM D6927 ASTM D5581
Mechanical	Determination of ultimate tensile strength	steel reinforcing bars	ASTM A615:2020 ASTM A370:2021
Mechanical	Determination of yield strength	steel reinforcing bars	ASTM A615:2020 ASTM A370:2021
Mechanical	Determination of elongation	steel reinforcing bars	ASTM A615:2020 ASTM A370:2021
Mechanical	Determination of dimensions	steel reinforcing bars	ASTM A615:2020

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Mechanical	Determination of weight	steel reinforcing bars	ASTM A615:2020
Mechanical	Deformation	steel reinforcing bars	ASTM A615:2020
Physical	Determination reaction to fire test for products	Steel reinforcing bars	BS EN ISO 1182:2020
Chemical	Standard test methods and practices for chemical analysis of test products	Steel reinforcing bars	ASTM A751
Examination of Non-destructive	Liquid Penetrant Test	Steel structure Pipeline structure	ASME B31.1 V Article6 API 1104 AWS D1.1
Examination of Non-destructive	Magnetic Particle Examination	Steel structure Pipeline structure	ASME B31.1 V Article7 API 1104 AWS D1.1
Examination of Non-destructive	Visual Examination	Steel structure Pipeline structure	ASME B31.1 V Article9 API 1104 AWS D1.1
Examination of Non-destructive	Ultrasonic	Steel structure Pipeline structure	ASME B31.1 V Article9 API 1104 AWS D1.1
Mechanical	Determination of ultimate tensile strength	steel reinforcing bars	ASTM A615:2020 ASTM A370:2021
Physical	Determination of external loading characteristics	Plastic pipe	ASTM D2412:2018
Physical	Determination of Thickness	Plastic pipe	ASTM D2412:2018
Physical	Determination of Diameter	Plastic pipe	ASTM D2412:2018
Physical	Test of expansion joint	Bridge expansion joint	ASTM D4014
Physical	Standard Specification for Plain and Steel-Laminated Elastomeric Bearings for Bridges	Bridge rubber bade	ASTM D4014 ASTM D412 ASTM D395 ASTM D2240 ASTM D1149
Chemical	Determination of Dimensions	Tubular Steel	Ministry of

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		Poles (ST-52)	Electricity/Technical Specification D22-2019 & DIN-17100
Physical	Determination of Dimensions	Lattice Steel Poles (ST-52)	Ministry of Electricity/Technical Specification D46-2012 & DIN-17100
Physical	Determination of diameter of conductor Determination of cross sectional area Determination of insulator thickness Determination of number of cores Determination of stranding Determination of copper screen area Determination of sheath thickness Determination of filler type Determination of armour type Determination of armour thickness Determination of color of outer sheath Determination of water prove	Electrical Cable Test With Cross Sectional Area (0.5-630)mm ² & Electrical Resistance (0.0238-36) Ω/Km	IEC 60502-1:2004 IEC 60502-2:2005 Ministry of Electricity/Technical Specification: D03:13 & D04:13
Electrical	Determination of electrical resistance		
Physical	Determination of diameter of one wire Determination of cross sectional area Determination of stranding	Wire	IEC 60228:2004 MOE(D47:17)
Electrical	Determination of electrical resistance		