وزارة التخطيط
الهيأة العراقية للاعتماد
IQAS

شـــهـادة اعتـــمـاد

رقم TL 144

يقر نظام الاعتماد العراقي بأن:

مختبرات شركة شط العرب للتحليلات المختبرية وفحوصات المواد الانشائية محدودة المسؤولية

العراق – البصرة – دور الصحة

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 والالكترونية

شرط التوافق مع متطلبات المواصفة اعلاه ومتطلبات IQAS الخاصة بالاعتماد
مجال الاعتماد المرفق بالشهادة يعتبر جزءا لايتجزء منها
يمكن الحصول على الاصدار الاحدث من مجال الاعتماد من خلال الموقع الالكتروني
https://iqas.mop.gov.iq

يكون الاعتماد نافذا من 2025/10/27 الى 2027/10/26
تاريخ منح الاعتماد لاول مرة
2023/11/19

محمد أيدن عمر
مدير عام الهيأة/ وكالة

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

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 - Dour Al Seha

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 27/10/2025 To 26/10/2027
Initial accreditation date
19/11/2023

Mohammed Ayden Omar
Director General 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
Mechanical	Determination density	Concrete cube	Iraqi guide no. 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	Sub base	ASTM D1246

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	Analysis of Fine and Coarse Aggregates		**ASTM C33** **ASTM C136**
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-l:2049 +A1:2012**
Chemical	**Determination of Sulphate**	**Sand aggregate sub base**	**Iraqi guide 500:1994** **BS EN: 1744-1:2009 +A1:20l2**
Chemical	**Determination of Sulphate**	**Concrete**	**IQS 448:1994**

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Chemical	**Measurement of Solids Content**	**mixing water in ready mixed concrete**	**ASTM C1603:2016**
	Determination of pH		**ISO 4316:1977** **IQS 1703**
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**	**Bituminous**	**ASTM D36:2014**

	Point of Bitumen (Ring-and-Ball Apparatus)		
Physical	**Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (No extruding and Resilient Bituminous Types)**	**Bituminous**	**ASTM D1751**
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**

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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**
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**

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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 Poles (ST-52)**	**Ministry of Electricity/Technical SpecificationD22-2019 & 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**	**Wire**	**IEC 60228:2004** **MOE(D47:17)**
	Determination of cross-sectional area		
	Determination of stranding		
Electrical	**Determination of electrical resistance**		

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	Determination of insulation resistance	**Electrical transformer**	**Ministry of Electricity D-26- Technical Specification of Distribution Transformer 11 / 0.416 kV**
	- Determination of Nominal voltage **- Determination of Lamp power** **- Determination of power factor** **- Determination of Yellow color temperature (CCT)** **- Determination of Housing body aluminum alloy** **- Determination of Luminaires arm connection diameter** **Determination of Luminance flux** **- Determination of Luminous efficiency** **- Determination of Color Rendering index CRI**	**Lighting installation**	**Ministry of Electricity D -10A - Technical Specification of LED Lanterns for street Lighting**