

شهادة اعتماد

رقم TL 060



يقر نظام الاعتماد العراقي بأن:
مختبرات شركة السبطين للفحوصات التخصصية
الانشائية والكيميائية وتحريات التربة/ فرع الديوانية
العراق - الديوانية - ام الخيل

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 الحريق
- اختبارات الاجهزة والمعدات الكهربائية والالكترونية

شرط التوافق مع متطلبات المواصفة اعلاه ومتطلبات IQAS الخاصة بالاعتماد
مجال الاعتماد المرفق بالشهادة يعتبر جزءا لا يتجزأ منها

يمكن الحصول على الاصدار الاحداث من مجال الاعتماد من خلال الموقع الالكتروني

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

يكون الاعتماد نافذا من 2025/9/2 الى 2027/9/1

تاريخ منح الاعتماد لأول مرة

2021/10/4

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

المهندس
عبد الواحد محمد ابراهيم
مدير عام الهيئة/ وكالة

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 060



Iraqi Accreditation System Certify that:

**Laboratories of Al-Sebtain Company for Specialized
Constructional Tests, Chemical & Soil Investigations
/Al-Diwaniya Branch
Iraq – Al-Diwaniya – Um Al-Khail**

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 - Fire 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

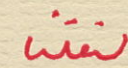
<https://iqas.mop.gov.iq>

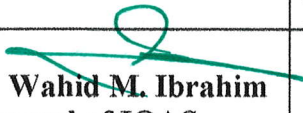
Accreditation is valid From 2/9/2025 To 1/9/2027

Initial accreditation date

4/10/2021


Eng. Abdul Wahid M. Ibrahim
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
Organization address: Iraq – Al-Diwaniya – Um Al-Khail	Organization name: Laboratories of Al-Sebtain Company for Specialized Constructional Tests, Chemical & Soil Investigations/ Al-Diwaniya Branch	Accreditation no.: TL 060
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Testing field	Type of test	Test object or product	Reference to standardized method
Mechanical	Determination of compressive strength	Concrete cubes	Iraqi guide no. 348:2017
Physical	Determination of density	Concrete cubes	Iraqi guide no. 274:2017
Mechanical	Determination of compressive strength	Concrete cubes	BS EN 12390-3:2019
Physical	Determination of density	Concrete cubes	BS EN 12390-7:2019
Sampling	Sampling	Fresh concrete	Iraqi guide no.513:1995 Iraqi guide no.284:1991 Iraqi code for concrete No. 1987/1
Physical	Standard test method for density in place by drive-cylinder	Soil	ASTM D2937:2024
Physical	Standard test method for density and unit weight in place by the sand - cone	Soil	ASTM D1556:2024 AASHTO T 191-14 (2018)
Physical	Standard test methods for quantitative extraction of bitumen from bituminous paving mixtures	Asphalt	ASTM D2172:2024
Physical	Determination of the particle-size distribution using sieves with square openings	Fine And Coarse Aggregates Extracted from Asphalt Mixtures	AASHTO T30:2021
Physical	Standard test method for bulk specific gravity and density	Non-Absorptive Compacted Asphalt mixtures	ASTM D2726:2021
Physical	Standard test method for theoretical maximum specific gravity and density	Asphalt Mixtures	ASTM D2041:2019
Physical	Standard method of test for determining the non-combustibility performance, under specified conditions,	Homogeneous Products and Substantial Components of Non-Homogeneous Products	ISO 1182:2020

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Physical	Determination of particle size and shape	Aggregate	IQS guide 30/1984
Physical	Determination of dimensions	Terrazzo tiles	IQS guide 31/1989
Physical	Determination of absorption	Terrazzo tiles	IQS guide 31/1989
Physical	Determination of face absorption	Terrazzo tiles	IQS guide 31/1989
Physical	Determination of flexural strength	Terrazzo tiles	IQS guide 31/1989
Physical	Determination of dimensions and surface quality	Ceramics	ISO 10545-2:2018
Physical	Determination of water absorption	Ceramics	ISO 10545-3:2018
Mechanical	Determination of modulus of rupture and breaking strength	Ceramics	ISO 10545-4:2019
Physical	Determination of dimensions	Load bearing concrete masonry units	IQS guide 32/1989
Physical	Determination of absorption	Load bearing concrete masonry units	IQS guide 32/1989
Physical	Determination of density	Load bearing concrete masonry units	IQS guide 32/1989
Mechanical	Determination of compressive strength	Load bearing concrete masonry units	IQS guide 32/1989
Physical	Determination of dimensions	Precast concrete flags	IQS 1107/1988
Physical	Determination of absorption	Precast concrete flags	IQS 1107/1988
Mechanical	Determination of breaking load	Precast concrete flags	IQS 1107/1988
Physical	Determination of appearance	Clay building bricks	IQS 24/1988
Physical	Determination of dimensions	Clay building bricks	IQS 24/1988
Physical	Determination of absorption	Clay building bricks	IQS 24/1988
Physical	Determination of efflorescence	Clay building bricks	IQS 24/1988
Mechanical	Determination of compressive strength	Clay building bricks	IQS 24/1988
Physical	Determination of dimensions	Concrete pipe	AASHTO T280:2014
Physical	Determination of absorption	Concrete pipe	AASHTO T280:2014
Mechanical	Determination of external load	Concrete pipe	AASHTO T280:2014

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	crushing strength		
Physical	Standard test methods of calculation of dimensions	Unplasticized polyvinyl chloride (pvc-u) pipes	DIN 8062/2009
Physical	Standard test methods general quality requirements, testing	Unplasticized polyvinyl chloride (pvc-u) pipes	DIN 8061/2016
Physical	Heat revision	Unplasticized polyvinyl chloride (pvc-u) pipes	DIN 8061/2016
Physical	Determination of the resistance to internal water pressure	Thermoplastic pipes	ISO 1167-(1+2):2006
Physical	Reaction to fire test-ignitability of building product subjected to direct impingement of flame part2: single – flame source test	The product that melts and shrink away from the flame without being ignited	ISO 11925-2:2020
Chemical	Determination of sulfates SO ₃ in aggregate	Aggregate	Iraqi guide no. 500-3 :2018
Mechanical	Determination of compressive strength of Portland cement	Portland cement	Iraqi guide no. 198-1/2021
Physical	Determination of setting times and soundness (Le chaterlier apparatus)	Portland cement	Iraqi guide no. 198-2/2021
Physical	Determination of fineness	Portland cement	Iraqi guide no. 198-3/2023
Chemical	Determination of (loss of ignition , insoluble residue, SO ₃ content)	Portland cement	Iraqi guide no. 472/1993
Mechanical	Determination of yield strength	Reinforcing steel bar	ASTM A370:2024 ASTM A615:2024
Mechanical	Determination of tensile strength	Reinforcing steel bar	ASTM A370:2024 ASTM A615:2024
Mechanical	Determination of elongation	Reinforcing steel bar	ASTM A370:2024 ASTM A615:2024
Mechanical	Determination of California Bearing Ratio CBR	Soil	ASTM D1883:2021
Electrical	Resistance, Diameter, Current, Weight	medium-Voltage and low voltage aluminum and copper wires	IEC 60502-1 IEC 60502-2 IEC 60228, IEC 60227

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Electrical	insulation resistance	Cycle breaker	IEC 62271 IEC 60947-2, IEC 61008
Electrical	Windings Resistance, Insulation for primary and secondary windings, Voltage and turns ratio testing, Transformer Oil	Distribution Transformers	Technical Specification for Electrical Work D-26
Mechanical	Dimensions, Diameter, Thickness (Ultrasonic),	Pressure Columwns (Clamped)	Technical Specification for Electrical Work D-46
Mechanical	Dimensions, Diameter, Thickness (Ultrasonic),	Pressure Columns (rounded)	Technical Specification for Electrical Work D-22
Electrical	Power, Luminous, Resistor	Light cell	IEC 60947-5-2
Mechanical	Resistance to plastic flow of asphalt mixtures using Marshall apparatus	Asphalt	ASTM D6927-2022
Physical	Thickness or height of compacted bituminous paving mixture specimens	Compacted Asphalt	ASTM D3549-2023
Physical	Penetration of Bituminous Materials	Bitumen	AASHTO T49-15 (2019)
Physical	Ductility of Asphalt Materials	Bitumen	AASHTO T51-09 (2018)
Physical	Flash Fire Point of Asphalt Binder by Cleveland Open Cup	Bitumen	AASHTO T48-18
Physical	Kinematic Viscosity of Asphalts (Bitumens)	Bitumen	AASHTO T201-15(2019)
Physical	Effect of Heat and Air on Asphalt Materials (Thin-Film Oven Test)	Bitumen	AASHTO T179-05(2018)
Physical	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	Aggregate	AASHTO T11-20
Physical	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	Aggregate	Iraqi guide no. 500-4/2015
Physical	Sieve analysis of fine and coarse	Aggregate	AASHTO T27-2020

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	aggregates		
Physical	Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Coarse Aggregate	AASHTO T96-02 (2019)
Physical	Liquid Limit, Plastic Limit, and Plasticity Index of Soils	Soil	AASHTO T89-13 (2021) , T90-2020
Mechanical	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	Hardened concrete	ASTM C42-2013
Physical	Determination of water (moisture) content of soil	Soil Investigations	ASTM D2216-19
Physical	Partical-size analysis of soils and Hydrometer	Soil Investigations	ASTM D422 & D6913-17 , D7928-21
Physical	Specific gravity of soil solids by water pycnometer	Soil Investigations	ASTM D854-23
Physical	Unconfined compressive strength of cohesive soil	Soil Investigations	ASTM D2166-24
Physical	One- dimensional consolidation properties of soil	Soil Investigations	ASTM D2435-25
Physical	Direct shear test of soil under consolidated drained	Soil Investigations	ASTM D3080-23
Physical	Standard Penetration Test (SPT)	Soil Investigations	ASTM D1586-18
Chemical	Sulfate content , gypsum content , organic matter and total soluble salts (T.S.S)	Soil Investigations	BS 1377-3-2018 AND earth manual
Physical	Dimension , absorption, density	Cellular concrete blocks	Iraqi guide no. 810/2009
Mechanical	Determination of compressive strength	Cellular concrete blocks	Iraqi guide no. 810/2009
Physical	Specific Gravity, Residue by Oven Drying	Chemical Admixtures for Concrete	ASTM C494-19
Chemical	pH	Chemical Admixtures for Concrete	ASTM C494-19

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Mechanical	Determination of compressive strength	Solid concrete interlocking paving units	ASTM C140-23
Physical	Determination of dimensions	Solid concrete interlocking paving units	ASTM C140-23
Physical	Determination of absorption	Solid concrete interlocking paving units	ASTM C140-23
Physical	Determination of dimensions	Pre-cast concrete kerbs and channels	Iraqi guide no. 1401-3
Physical	Determination of absorption	Pre-cast concrete kerbs and channels	Iraqi guide no. 1401-1
Mechanical	Determination of bending strength	Pre-cast concrete kerbs and channels	Iraqi guide no. 1401-2
Chemical	Determination of Chloride Ion, Sulfate Ion	Water for Making Concrete	Iraqi guide no. 671/1995
Chemical	Determination of Total Dissolved Solid	Water for Making Concrete	Iraqi guide no. 205-1/1991
Physical	Determination of dimensions	Plastic pipes	ISO 3126:2005
Physical	resistance to external blows by the round-the-clock method	Plastic pipes (PVC-U, PP-R)	BS EN 744:1996
Mechanical	Determination of Elongation	Plastic pipes (PE)	ISO 6259
Mechanical	Determination of Initial specific ring stiffness	GRP pipes	BS ISO 7685-2019
Mechanical	Determination of Initial specific longitudinal tensile strength ,in of circumference	GRP pipes	BS ISO 8513-2023
Mechanical	Determination of tensile strength	Ductile iron pipes	ISO 2531
Mechanical	Determination of Elongation	Ductile iron pipes	ISO 2531
Physical	Determination of dimensions	Hot rolled steel channels, I and H sections	BS EN 10365:2017
Mechanical	Determination of yield and strength and Elongation	Hot rolled products of structural steels	BS EN 10025-2-2019