

# شهادة اعتماد

رقم TL 061



يقر نظام الاعتماد العراقي بأن:  
مختبرات شركة السبطين الهندسية الإنشائية للفحوصات التخصصية  
الإنشائية والكيميائية وتحريات التربة والفحوصات الكهربائية  
وأنظمة السلامة/محدودة المسؤولية

العراق - كربلاء المقدسة- طريق (كربلاء - نجف)- مقابل عامود رقم 1171

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

في مجال:

- اختبارات المواد الإنشائية - 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 يتجزء منها  
يمكن الحصول على الاصدار الاحدث 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

2021/10/24

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

المهندس  
عبد الواحد محمد ابراهيم  
مدير عام الهيئة/ وكالة



## ACCREDITATION CERTIFICATE

No. TL 061



Iraqi Accreditation System Certify that:

**Laboratories of Al-Sebtain Engineering Construction  
Company for Structural Specialist Testing, Chemical,  
Soil Investigations, Electrical Testing and Safety  
Systems /Limited Liability Company**

Iraq – Karbala- the road (Karbala - Najaf)- opposite column number 1171

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

24/10/2021

Eng. Abdul Wahid M. Ibrahim  
Director General of IQAS

Dr. Mohammed Ali Tamim  
Deputy Prime Minister  
Minister of Planning



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|                                                                               | <p style="text-align: center;">استمارة<br/>مجال الاعتماد<br/><b>Scope of Accreditation<br/>form</b></p>                                                                                                                                       | <p style="text-align: center;">نظام الاعتماد العراقي<br/><b>IQAS</b></p> |
| <b>Organization address:</b><br>Iraq – Karbala- the road<br>(Karbala - Najaf)- opposite<br>column number 1171                                                  | <b>Organization name:</b><br>Laboratories of Al-Sebtain<br>Engineering Construction Company<br>for Structural Specialist Testing,<br>Chemical, Soil Investigations,<br>Electrical Testing and Safety<br>Systems /Limited Liability<br>Company | <b>Accreditation no.:</b><br>TL 061                                      |
| <b>Signature:</b> <br>Eng. Abdul Wahid M. Ibrahim<br>Director General of IQAS | <b>Accreditation is valid:</b><br>From 2/9/2025 To 1/9/2027                                                                                                                                                                                   | <b>Issue no.:</b><br>003                                                 |

| 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                                                                 |
| Sampling      | Sampling                                                                                                | Fresh concrete                                             | Iraqi guide no.513:1995<br>Iraqi guide no.284:1991<br>Iraqi code for concrete No. 1987/1 |
| Physical      | Standard test method for density in place by drive-cylinder                                             | Soil                                                       | ASTM D2937:2017                                                                          |
| Physical      | Standard test method for density and unit weight in place by the sand-cone                              | Soil                                                       | ASTM D1556:2015<br>AASHTO T191:2014                                                      |
| 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         | ISO 1182:2020                                                                            |

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|                  |                                                                                                                                 | Non-Homogeneous Products                                                   |                   |
|------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------|
| Physical         | Reaction to fire test-ignitability of building product subjected to direct impingement of flamepart2:single – flame source test | The product that melt and shrink away from the flame without being ignited | ISO 11925-2:2020  |
| Physical testing | Determination of particle size and shape                                                                                        | Aggregate                                                                  | IQS guide 30      |
| 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                                                                                                          | Ceramics                                                                   | ISO 10545-3:2018  |
| Mechanical       | Determination of modulus of                                                                                                     | 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 |



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| 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 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 appearance                                 | Clay building bricks                           | IQS 24/1988                      |
| 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              |
| Chemical   | Determination of sulfates SO <sub>3</sub> in aggregate      | Aggregate                                      | Iraqi guide no. 500-3 :2018      |
| Mechanical | Determination of yield strength                             | Reinforcing steel bar                          | ASTM A370:2024<br>ASTM A615:2024 |

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|------------|----------------------------------------------------------------------|-------------------------|----------------------------------|
| Mechanical | Determination of tensile strength                                    | Reinforcing steel bar   | ASTM A370:2024<br>ASTM A615:2024 |
| Mechanical | Determination of elongation                                          | Reinforcing steel bar   | ASTM A370:2024<br>ASTM A615:2024 |
| Mechanical | Determination of California Bearing Ratio CBR                        | Soil                    | ASTM D1883:2021                  |
| Electrical | dc resistance                                                        | Low voltage power cable | IEC 60502-1                      |
| Electrical | insulation resistance                                                | Cycle breaker           | IEC 60947-2                      |
| Mechanical | Marshall Stability and Flow of Asphalt Mixtures                      | Asphalt                 | ASTM D6927-2022                  |
| Physical   | Thickness or height of compacted bituminous paving mixture specimens | Asphalt                 | ASTM D3549-2023                  |
| Physical   | Sieve analysis of fine and coarse aggregates                         | Aggregate               | AASHTO T27-2020                  |
| Physical   | Liquid Limit, Plastic Limit, and Plasticity Index of Soils           | Soil                    | AASHTO T89-13 (2021) , T90-2020  |
| Physical   | Determination of Dimensions                                          | Concrete pipe           | AASHTO T280-2014                 |
| Physical   | Determination of absorption                                          | Concrete pipe           | AASHTO T280-2014                 |
| Mechanical | Determination of external load crushing strength                     | Concrete pipe           | AASHTO T280-2014                 |
| Mechanical | Determination of compressive strength                                | Portland cement         | Iraqi guide no. 198-1/2021       |