وزارة التخطيط
الهيأة العراقية للاعتماد
IQAS

شـــهـادة اعتـــمـاد

رقم TL 002

يقر نظام الاعتماد العراقي بأن:

مختبرات مكتب الاستشارات الهندسية
كلية الهندسة/ جامعة بغداد

العراق – بغداد - الجادرية

تم اعتماده 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 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 ٢٠٢٤/٦/٢٦ الى ٢٠٢٦/٦/٢٥
تاريخ منح الاعتماد لاول مرة
٢٠١٥/١١/١٧

د. محمد لطيف أحمد
مدير عام الهيأة العراقية للاعتماد

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

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 002

Iraqi Accreditation System Certify that:

Consulting Engineering Bureau Laboratories (CEBL)
Engineering College/ Baghdad University

Iraq –Baghdad- Aljadyria

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
- 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 26/6/2024 To 25/6/2026
Initial accreditation date
17/11/2015

Dr. Mohammed Lateef Ahmed
General Manager 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 –Baghdad- Aljadyria**	**Organization name :** **Consulting Engineering Bureau Laboratories (CEBL)** **Engineering College/ Baghdad University**	**Accreditation no.:** **TL 002**
Signature: **Abdul Wahid Mohammed Ibrahim** **Deputy General Manager**	**Accreditation is valid:** **From 26/6/2024 To 25/6/2026**	**Issue no. :** **008**

Testing field	Type of test	Test object or product	Reference to standardized method
Mechanical and Physical Testing	Determination of Elongation	Carbon Structural Steel	ASTM A370 ASTM A36 ASTM A529
	Determination of Tensile Strength		
	Determination of Yield Strength		
	Determination of Dimensions		
	Determination of Bending		
Mechanical and Physical Testing	Determination of Elongation	Steel Reinforcing Bars	ASTM A370 ASTM A615
	Determination of Tensile Strength		
	Determination of Yield Strength		
	Determination of Bending		
	Deformation of Requirements		
	Determination of Weight		
	Determination of Dimensions		
Mechanical and Physical Testing	Determination of Tensile Strength	Carbon-Steel Wire and Welded Wire Reinforcement	ASTM A370 ASTM A1064
	Determination of Yield Strength		
	Determination of Bending		
	Determination of Weld Shear		
	Determination of Weight		
	Determination of Dimensions		
	Determination of Spacing		
Mechanical and Physical Testing	Determination of Elongation	Anchor bolt	ASTM F 1554 ASTM F 606 ASTM A 370
	Determination of Tensile Strength		
	Determination Yield Strength		
	Determination of Dimensions		
	Determination Axial Tensile Strength for Full-Size Anchor Bolt		
	Determination Elongation in 50mm		

	استمارة مجال الاعتماد **Scope of Accreditation form**	نظام الاعتماد العراقي **IQAS**
Organization address: **Iraq –Baghdad- Aljadyria**	**Organization name :** **Consulting Engineering Bureau Laboratories (CEBL)** **Engineering College/ Baghdad University**	**Accreditation no.:** **TL 002**
Signature: **Abdul Wahid Mohammed Ibrahim** **Deputy General Manager**	**Accreditation is valid:** **From 26/6/2024 To 25/6/2026**	**Issue no. :** **008**

	Determination Elongation in 200mm		
Chemical Testing	**Zinc Coating Thickness**	**Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products**	**ASTM A90** **ASTM A123** **ASTM A653**
Mechanical and Physical Testing	**Determination of Thickness**	**Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless**	**ASTM A370** **ASTM A53** **ASTM A106**
	Determination of Elongation		
	Determination of Tensile Strength		
	Determination Yield Strength		
	Determination of Pressure		
	Determination of Dimensions		
Mechanical and Physical Testing	**Determination of Elongation**	**Ductile iron pipes, fittings, accessories and their joints for water applications**	**ISO 2531**
	Determination of Tensile Strength		
	Determination Yield Strength		
	Determination of Dimensions		
	Determination of Iron Wall Thickness		
	Determination of Pressure		
	Determination of Cement Mortar Lining Thickness		
	Determination of Surface Condition		
	Determination of Pipe Coating		
Mechanical and Physical Testing	**Determination of form Supplied and Surface Quality**	**Unplasticized polyvinyl chloride (PVC-U) pipes and Fitting**	**DIN 8061** **DIN 8062** **DIN 8063** **DIN EN ISO 1167** **DIN EN 580** **IQS 5037**
	Determination of Dimensions, Tolerances and out-of-Roundness		
	Determination of Long-Term Hydrostatic Pressure		

	استمارة مجال الاعتماد **Scope of Accreditation form**	نظام الاعتماد العراقي **IQAS**
Organization address: **Iraq –Baghdad- Aljadyria**	**Organization name :** **Consulting Engineering Bureau Laboratories (CEBL)** **Engineering College/ Baghdad University**	**Accreditation no.:** **TL 002**
Signature: **Abdul Wahid Mohammed Ibrahim** **Deputy General Manager**	**Accreditation is valid:** **From 26/6/2024 To 25/6/2026**	**Issue no. :** **008**

	Determination of Weight		**IQS 1512** **IQS 5160**
	Determination of Impact Strength		
	Determination of Heat Reversion		
Toxicity Materials	**Determination of Extractability of Toxicity Materials**	**Extractability of Toxicity Materials in Water**	**I.G.O 215**
Mechanical and Physical Testing	**Determination of form Supplied and Surface Quality**	**Polypropylene (PP) Pipes and Fitting**	**DIN 8077** **DIN 8078** **DIN 16962** **ISO 15874**
	Determination of Dimensions, Tolerances and out-of-Roundness		
	Determination of Long-Term Hydrostatic Pressure		
	Determination of Weight		
	Determination of Heat Reversion		
Chemical and Physical Testing	**Determination of Compressive Strength**	**Cement**	**I.G.O 198** **I.G.O 472** **I.Q.S No. 5**
	Determination of Setting Time		
	Determination of SiO_2 contents		
	Determination of CaO contents		
	Determination of MgO contents		
	Determination of Fe_2O_3 content		
	Determination of Al_2O_3 content		
	Determination of Loss of Ignition		
	Determination of Insoluble Residue		
	Determination SO_3 contents		
Mechanical and Physical Testing	**Determination of Compressive Strength**	**Concrete Interlocking Paving Units**	**ASTM C140** **I.Q.S No. 1606**
	Determination of Absorption		
	Determination of Dimension		

	استمارة مجال الاعتماد **Scope of Accreditation form**	نظام الاعتماد العراقي **IQAS**
Organization address: **Iraq –Baghdad- Aljadyria**	**Organization name :** **Consulting Engineering Bureau Laboratories (CEBL)** **Engineering College/ Baghdad University**	**Accreditation no.:** **TL 002**
Signature: **Abdul Wahid Mohammed Ibrahim** **Deputy General Manager**	**Accreditation is valid:** **From 26/6/2024 To 25/6/2026**	**Issue no. :** **008**

Mechanical and Physical Testing	**Determination of Compressive Strength**	**Clay Building Bricks**	**I.Q.S 24** **I.Q.S 25**
	Determination of Absorption		
	Determination of Dimension		
	Determination of General Appearance and Shape		
	Determination of Leveling of Surface		
	Determination of Dimensions		
	Determination of Water Absorption		
	Determination of Efflorescence		
Mechanical and Physical Testing	**Determination of Compressive Strength**	**Concrete Cube**	**I.O.G 348** **I.G.O 274** **I.Q.S 1/1987**
	Determination of Density		
Mechanical and Physical Testing	**Determination of Dimension**	**Concrete Masonry Units**	**I.Q.S 32** **ASTM C 140** **I.O.G 448**
	Determination of Absorption		
	Determination of Compressive Strength		
Mechanical and Physical Testing	**Determination of Flexural**	**Terrazzo Tiles**	**I.Q.S 1042** **I.O.G 228**
	Determination of Dimensions		
	Determination of Absorption		
	Determination of Appearance		
	Determination of Wear		
Mechanical and Physical Testing	**Determination of Flexural**	**Precast Concrete Flags**	**I.Q.S 1107** **I.G.O 995**
	Determination of Dimension		
	Determination of Absorption		
	Determination Face Leveling		

	Determination of Absorption		
Mechanical and Physical Testing	**Determination of Bending**	**Concrete Kurb Units**	**ISO 1340** **I.Q.S 5164**
	Determination of Dimensions		
	Determination of Absorption		
	Determination of Appearance		
	Determination of Texture		
Mechanical and Physical Testing	**Determination of Dimensions**	**Nonloadbearing Concrete Masonry Units**	**I.Q.S 5190**
	Determination of Absorption		
	Determination of Compressive Strength		
	Determination of Finish and Appearance		
Mechanical and Physical Testing	**Determination of Dimensions**	**Ceramic Tiles**	**ISO 13006** **ISO 10545**
	Determination of Surface Quality		
	Determination of Modulus of Rupture		
	Determination of Breaking Strength		
	Determination of Water Absorption		
Physical and Chemical Testing	**Determination of Grading (Sieve Analysis)**	**Coarse Aggregate (gravel)**	**I.Q.S 45** **I.Q.S 30** **I.G.O 500/1** **I.G.O 500/2** **I.G.O 500/3** **I.G.O 500/4**
	Determination of Light Weight Particles		
	Determination of Clay Lumps and Friable Particles		
	Determination of SO_3 Contents		

	استمارة مجال الاعتماد **Scope of Accreditation form**	نظام الاعتماد العراقي **IQAS**
Organization address: **Iraq –Baghdad- Aljadyria**	**Organization name :** **Consulting Engineering Bureau Laboratories (CEBL)** **Engineering College/ Baghdad University**	**Accreditation no.:** **TL 002**
Signature: **Abdul Wahid Mohammed Ibrahim** **Deputy General Manager**	**Accreditation is valid:** **From 26/6/2024 To 25/6/2026**	**Issue no. :** **008**

	Determination of finer than 0.075mm		
Physical and Chemical Testing	**Determination of Grading (Sieve Analysis)**	**Fine Aggregate (sand)**	**I.Q.S 45** **I.Q.S 30** **I.G.O 500/1** **I.G.O 500/2** **I.G.O 500/3** **I.G.O 500/4**
	Determination of Light Weight Particles		
	Determination of Clay Lumps and Friable Particles		
	Determination of SO_3 Contents		
	Determination of finer than 0.075mm		
Physical and Mechanical Testing	**Determination of Standard Test Method for Marshall Stability and Flow and Air Void and Bulk Density**	**Asphalt Concrete**	**ASTM D6927** **ASTM D2172** **ASTM D3549** **ASTM D6307** **ASTM D136**
	Determination of Quantitative Extraction of Asphalt Binder from Asphalt Mixtures		
	Determination of Compaction and Thickness		
	Determination of Standard test Method for Asphalt Content of Asphalt Mixture and Sieve Analysis		
Physical and Mechanical Testing	**Determination of Breaking Strength**	**Bituminous sheet material**	**ASTM D5147** **ASTM D146**
	Determination of Pliability		
	Determination of Thickness		
	Determination of Loss on Heating		

	استمارة مجال الاعتماد **Scope of Accreditation form**	نظام الاعتماد العراقي **IQAS**
Organization address: **Iraq –Baghdad- Aljadyria**	**Organization name :** **Consulting Engineering Bureau Laboratories (CEBL)** **Engineering College/ Baghdad University**	**Accreditation no.:** **TL 002**
Signature: **Abdul Wahid Mohammed Ibrahim** **Deputy General Manager**	**Accreditation is valid:** **From 26/6/2024 To 25/6/2026**	**Issue no. :** **008**

Physical and Mechanical Testing	**Determination of Cone Penetration**	**Sealants and Fillers, Hot and Cold-Applied, for Joints and Cracks**	**ASTM D5329** **I.Q.S 1110** **I.Q.S 1136**
	Determination of Flow		
	Determination of Bond		
Physical and Mechanical Testing	**Determination of Weight per Litter**	**Emulsified Asphalt**	**ASTM D1227** **I.Q.S 1173**
	Determination of Residue by Evaporation		
	Determination of Ash Content of Residue		
	Determination of Water Content		
	Determination of Flammability		
	Determination of Heat Test		
	Determination of Flexibility		
Physical and Mechanical Testing	**Determination of Kinematic viscosity**	**Cutback Asphalt**	**ASTM D2027** **ASTM D2028** **AASHTO M 81** **AASHTO M 82**
	Determination of Flash Point		
	Determination of Residue From Distillation to 360°C		
	Determination of Water, %		
	Determination of Residue Solubility in Trichloroethylene		
	Determination of Tests on residue: **Determination of Viscosity at 60°C** **Determination of Ductility at 25°C**		
Physical and Mechanical Testing	**Determination of Penetration Test**	**Asphalt Used in Roofing**	**ASTM D 5** **ASTM D36** **ASTM D92** **ASTM D113**
	Determination of Ductility		
	Determination of Flash Point		

	Determination of Softening Point		**I.Q.S 1196**
	Determination of Solubility in Trichloroethylene		
Physical and Mechanical Testing	**Determination of Rotational Viscosity**	**Performance Grading of Asphalt Cement**	**AASHTO M320**
	Determination of Dynamic Shear Rheometer		
	Determination of Bending Beam Rheometer		
	Determination of Flash point		
Physical, Chemical and Mechanical Testing	**Determination of Grading (Sieve Analysis)**	**Sub base**	**ASTM C136** **ASTM D1557** **ASTM D1883** **ASTM D2167** **ASTM D1556** **SCRB/R6** **B.S 1377-3** **Earth manual E8**
	Determination of Maximum Dry Density		
	Determination of California Bearing Ratio		
	Determination of Density and Unit Weight of Soil in Site		
	Determination of SO_3 Contents		
	Determination of T.S.S Contents		
Physical and Chemical Testing	**Determination of TSS, Cl, SO_3, and Organic content for Soil** **PH, Cl, SO_4, and TDS for Water**	**Soil Investigation**	**BS /1377** **Earth manual E8** **ASTM D 4318** **ASTM D 3080** **ASTM D 422** **BS 1377** **ASTM D 2216** **ASTM D 1586** **ASTM D 2166**
	Determination of Atterberg Limits (Liquid Limit and Plastics Limit)		
	Determination of Direct Shear Test		
	Determination of Grain Size Analysis		
	Determination of Weight		

	استمارة مجال الاعتماد **Scope of Accreditation form**	نظام الاعتماد العراقي **IQAS**
Organization address: **Iraq –Baghdad- Aljadyria**	**Organization name :** **Consulting Engineering Bureau Laboratories (CEBL)** **Engineering College/ Baghdad University**	**Accreditation no.:** **TL 002**
Signature: **Abdul Wahid Mohammed Ibrahim** **Deputy General Manager**	**Accreditation is valid:** **From 26/6/2024 To 25/6/2026**	**Issue no. :** **008**

	Determination of Neutral Water Content		**ASTM D 854** **ASTM D 2435** **ASTM D 4767** **ASTM G 57** **ASTM G 4428** **IQS 303**
	Determination of Field Standard Penetration Test		
	Determination of Unconfined Compression Test		
	Determination of Specific Gravity		
	Determination of One-Dimensional Consolidation		
	Determination of Consolidated Undrained Triaxial Compression Test		
	Determination of Measurement of Soil Resistivity		
	Determination of Cross hole Seismic		
	Determination of Seismic Survey		
Physical, Chemical and Mechanical Testing	**Determination of Density of Soil in Place by the Drive-Cylinder**	**Soil**	**ASTM D2937** **ASTM D698** **ASTM D1557** **ASTM C136** **ASTM D1140** **ASTM D4318** **ASTM D1883** **B.S 1377** **Earth Manual (E8)** **ASTM D 7830** **SORB/R5**
	Determination of Maximum Dry Density		
	Determination of Grading (sieve analysis)		
	Determination of finer than 0.075mm		
	Determination of the Liquid Limit, Plastic Limit, and the Plasticity Index of Soils		
	Determination of California Bearing Ratio		

	Determination of SO_3 Contents		
	Determination of Field Density		
Physical, Electrical and Mechanical	Determination of Dimensions	Electrical Wire and Cable	IEC 60227 BS EN 50525 IEC 60502 IEC 60228 IQS 1145
	Determination of Finish and Appearance		
	Determination of Absorption		
	Determination of DC voltage test		
	Determination of Max. Conductor Resistance		
	Determination of Elongation for Insulation, Sheath and Conductor		
	Determination of Tensile Strength for Insulation, Sheath and Conductor		
	Determination of Yield Strength for Insulation, Sheath and Conductor		
	Determination of Breaking Load		
Physical and Mechanical	Determination of Appearance	Adhesion Material of Ceramic	BS EN 1348 BS EN 1346 BS EN 1308 BS EN 12004
	Determination of Wet Density		
	Determination of Pot Time		
	Determination of Adhesion Strength		
	Determination of Slip		
Physical and Mechanical	Determination of Appearance	Epoxy products	ISO 3233 ASTM D 570 ASTM D 2369 ASTM D 2240
	Determination of Solids by Volume		
	Determination of Volatile organic Determination of Compounds VOC		
	Determination of Density		

	Determination of Pot life		
	Determination of (Touch) dry		
Physical and Mechanical	**Determination of Appearance**	**Natural Dimension Stone**	**IQS 1378** **I.G.O 65**
	Determination of Density		
	Determination of Modulus of Rupture		
	Determination of Water Absorption		
	Determination of Compression Strength		
	Determination of Wear Resistance		
Nondestructive Testing of Concrete	**Determination of Compression Strength in Site**	**Ultrasonic Pulse Velocity (UPV) Tester**	**BS 1881 Part 203** **ASTM C 597**
Nondestructive Testing of Concrete	**Determination of Compression Strength in Site**	**Rebound Hammer Test (Schmidt Hammer)**	**ASTM C 805**
Nondestructive Testing of Concrete	**Determination of Compression Strength**	**Drilled Core**	**ASTM C 42** **ASTM C 823** **Code 1/1987**
Nondestructive Testing of Concrete	**Determination of Bond Strength of Steel Rebar**	**Pullout Test for Rebar in Site**	**Clients Requirements**
Physical and Mechanical Testing	**Determination of Appearance**	**Gypsum Boards**	**ASTM C 473** **IQS 1676**
	Determination of Dimensions		
	Determination of Moisture Movement		
	Determination of Moisture Content		
	Determination of Water Absorption		

	استمارة مجال الاعتماد **Scope of Accreditation form**	نظام الاعتماد العراقي **IQAS**
Organization address: **Iraq –Baghdad- Aljadyria**	**Organization name :** **Consulting Engineering Bureau Laboratories (CEBL)** **Engineering College/ Baghdad University**	**Accreditation no.:** **TL 002**
Signature: **Abdul Wahid Mohammed Ibrahim** **Deputy General Manager**	**Accreditation is valid:** **From 26/6/2024 To 25/6/2026**	**Issue no. :** **008**

	Determination of Flexural Strength		
	Determination of Density		
	Determination of Permeability		
Physical and Mechanical Testing	**Determination of Appearance**	**Cement Boards**	**ASTM C1185** **BS EN 12467**
	Determination of Dimensions		
	Determination of - End Squareness		
	Determination of Edge type		
	Determination of Humidified Deflection		
	Determination of Nile pull resistance		
	Determination of Flexural Strength		
	Determination of Absorption		
	Determination of Density		