وزارة التخطيط
الهيأة العراقية للاعتماد
IQAS

شـــهـادة اعتـــمـاد

رقم TL 028

يقر نظام الاعتماد العراقي بأن:

مختبرات شركة المماس للفحص الهندسي والتصاميم والاستشارات الهندسية والبيئية والتطوير والتدريب ودراسة الجدوى الفنية محدودة المسؤولية

العراق- البصرة - كوت الحجاج

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 الكيميائية
- اختبارات المواد البلاستيكية
- اختبارات المواد المطاطية
- 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 2026/1/25 الى 2028/1/24
تاريخ منح الاعتماد لاول مرة
2018/9/2

أ.د. خالد بتال النجم
وزير التخطيط/ وكالة

محمد آيدن عمر
مدير عام الهيأة/ وكالة

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 028

Iraqi Accreditation System Certify that:

Laboratories of Al-Mamaas Company for Engineering Test, Designs, Engineering and Environmental Consultancy, Training and Development, Technical Feasibility Study Ltd

Iraq – Basra- Kut Al Hijaj

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
- Chemical Materials Testing
- Polymers Materials Testing
- Rubber 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 25/1/2026 To 24/1/2028
Initial accreditation date
2/9/2018

Mohammed Ayden Omar
Director General of IQAS

Prof. Dr. Khalid Battal Al-Najim
Minister of Planning

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Testing Field	Type of Test	Test Object or Product	Reference to Standardized Method
Physical	Determination of compressive strength	Concrete cube	BS EN 12390-3:2009
Physical	Determination of compressive strength	Concrete cube	Iraqi Guide No. 348:2017
Chemical	Chloride content of hardened concrete (CI) by weight	Concrete cube	BS. 1881-124:2015
Chemical	Sulphate Content of hardened concrete (SO_3)	Concrete cube	BS. 1881-124:2015
Physical	Bulk specific gravity and density of non-absorptive compacted asphalt mixtures	Asphalt	ASTM D2726 D2726M – 19
Physical	Standard Test Method for Marshall Stability and Flow of Asphalt Mixtures	Asphalt	ASTM D 6927 – 15
Physical	Sieve analysis for hot mix asphalt	Asphalt	ASTM D 5444:2015
Physical	Surface regularity of pavement	Asphalt	SORB R9
Physical	Standard Test Method for Determining the Flexural Creep Stiffness Using the Bending Beam Rheometer	Asphalt binder	ASTM D6648
Physical	Standard Test Method for Determining the Rheological Properties Using a Dynamic Shear Rheometer	Asphalt binder	AASHTO TP5
Physical	Determination of water (Moisture) content by mass	Aggregate	ASTM D2216 – 19
Physical	Determination of water (Moisture) content by microwave oven heating	Aggregate	ASTM D4643 – 17
Physical	Determine specific gravity and water absorption rate of cross aggregate and fine aggregate	Aggregate	IQS: 31/1981
Physical	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	Aggregate	ASTM C131

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Chemical	**Determination of SO_3 content**	**Aggregate**	**BS EN 1744-1:2009+A1:2012**
Chemical	**Determination of Cl content**	**Aggregate**	**BS EN 1744-1:2009+A1:2012**
Physical	**Sieve analysis**	**Fine aggregate**	**ASTMC136-19**
Physical	**Sieve analysis**	**Coarse aggregate**	**ASTM C117-17**
Physical	**Density and unit weight of soil in place by sand-cone method**	**Sub Base**	**ASTM D1556-15e1**
Physical	**Determination of laboratory compaction characteristics using modified effort (2,700 KN-m/m^3)**	**Soil**	**ASTM D1557-12e1**
Physical	**Density in place by the drive-cylinder method**	**Soil**	**ASTM D2937-17e2**
Physical	**Soil investigation** **Thin- walled tube sampling of soil for geotechnical purposes**	**Soil**	**ASTM D1587:2012**
Physical	**Soil investigation** **Determining sub surface liquid level in a borehole or monitoring**	**Soil**	**ASTM D4750**
Physical	**Soil investigation** **Wet preparation of soil samples for particle size analysis and determination of soil constants**	**Soil**	**ASTM D2217**
Physical	**Soil investigation** **Soil exploration and sampling by auger boring**	**Soil**	**ASTM D1452**
Physical	**Soil investigation** **Sieve analysis**	**Soil**	**ASTM C136, C117**
Physical	**Soil investigation density on site**	**Soil**	**ASTM D1556, D2937**
Mechanical	**Soil investigation** **Standard penetration test (SPT) and spilt –barrel sampling of soil**	**Soil**	**ASTM D1586**
Physical	**Standard Test Method for**	**Soil**	**ASTM D2937-10**

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	Density of Soil in Place by the Drive-Cylinder Method		
Physical	**Liquid limit, plastic limit and plasticity index**	**Soil**	**ASTM D4318**
Physical	**Cone penetration test**	**Soil**	**ASTM D 5778**
Physical	**Soil resistivity test**	**Soil**	**ASTM G57**
Physical	**Plate load test**	**Soil**	**ASTM D1195**
Physical	**Standard test for mechanical cone penetration test of soil**	**Soil**	**ASTM D3441**
Mechanical	**Standard test method for California bearing ratio**	**Soil**	**ASTM D1883**
Physical	**Standard test methods for maximum index density and unit weight using a vibratory table**	**Soil**	**ASTM D4253** **ASTM D4254**
Physical	**Standard test method for repetitive static plate**	**Soil**	**ASTM D1195** **ASTM D1196**
Mechanical	**Determination of external loading characteristics**	**GRP pipe**	**ASTM D2412**
Physical	**Determination of wall thickness**	**GRP pipe**	**ASTM D3517** **ASTM D3567**
Physical	**Determination of diameter**	**GRP pipe**	**ASTM D3517** **ASTM D3567**
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**
Physical	**Determination of efflorescence**	**Clay brick**	**IQS: 24** **IQS:25**
Mechanical	**Determination of modulus of rupture**	**Concrete tile**	**IQS: 1043:1987**
Physical	**Determination of absorption**	**Concrete tile**	**IQS: 1043:1987**

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Mechanical	**Determination of modulus of rupture**	**Concrete flags**	**IQS: 1107:1988**
Physical	**Determination of Absorption**	**Concrete flags**	**IQS: 1107:1988**
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	**Saybolt Viscosity**	**Bituminous**	**ASTM D88**
Physical	**Determination of flash point**	**Bituminous**	**IQS: 134/1987**
Physical	**Determination of loss in heating**	**Bituminous**	**ASTM D1754**
Physical	**Sampling compacted bituminous mixtures**	**Bituminous mixtures**	**ASTM D5361**
Physical	**Density**	**Bituminous felt (water proof)**	**IQS: 4/1988**
Physical	**firefighting**	**Bituminous felt (water proof)**	**IQS: 4/1988**
Physical	**heating loss**	**Bituminous felt (water proof)**	**IQS: 4/1988**
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**
Chemical	**Determination of Sulphate**	**Concrete**	**IQS 448:1994**
Chemical	**Measurement of Solids Content**	**Mixing water in ready mixed concrete**	**ASTM C1603:2016**
Chemical	**Determination of pH**	**Mixing water in reading mixed concrete**	**ASTM C1603 : 2016**
Mechanical	**Determination of compressive strength**	**Inter locking paver block**	**IQS: 1606/2006**
Physical	**Determination of Absorption**	**Inter locking paver block**	**IQS: 1606/2006**

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Physical	**Determination of Dimensions**	**Inter locking paver block**	**IQS: 1606/2006**
Physical	**Determination of Density**	**Inter locking paver block**	**IQS: 1606/2006**
Physical	**Determination of abrasion**	**Inter locking paver block**	**IQS: 1606/2006**
Physical	**Standard test method for compressive strength of cylindrical concrete specimens**	**Concrete cylinder**	**ASTM C39**
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**
Mechanical	**Determination of modulus of rupture**	**Thermstone**	**IQS: 1441/2000**
Physical	**Determination of absorption**	**Thermstone**	**IQS: 1441/2000**
Examination of Non-destructive	**Ultrasonic test compressive strength**	**Concrete**	**ASTM C597**
Examination of Non-destructive	**Schmidt hammer test compressive strength**	**Concrete**	**ASTM C805**
Physical	**Concrete core compressive strength**	**Concrete**	**ASTM C42**
Physical	**Stand test method for slump of hydraulic- cement concrete**	**Concrete**	**ASTM C143**
Physical	**Standard test method for deep foundation element under static axial compressive load**	**Pile**	**ASTM D1143**
Physical	**Standard test methods for deep foundation elements under static axial tensile load**	**Pile**	**ASTM D3689**

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Mechanical	**standard test method for High-strain Dynamic testing of Deep Foundations**	**Piles**	**ASTM D4945**
Mechanical	**Standard test method for low-strain impact integrity testing of deep foundations**	**Pile**	**ASTM D5882**
Mechanical	**Standard test methods for deep foundation elements under static lateral load**	**Piles**	**ASTM D3966**
Mechanical	**Determination of ultimate tensile strength**	**Steel reinforcing bars**	**ASTM A370 ASTM A615**
Mechanical	**Determination of yield strength**	**Steel reinforcing bars**	**ASTM A370 ASTM A615**
Mechanical	**Determination of elongation**	**Steel reinforcing bars**	**ASTM A370 ASTM A615**
Mechanical	**Galvanized**	**Steel reinforcing bars**	**ASTM A123**
Chemical	**Standard test methods and practices for chemical analysis of steel products**	**Steel reinforcing bars**	**ASTM A751:2021**
Mechanical	**Determination of ultimate tensile strength**	**Plate**	**ASTM a36**
Mechanical	**Determination of elongation**	**Plate**	**ASTM a36**
Chemical	**Standard Test Methods and Practices for Chemical Analysis of Steel Products**	**Plate**	**ASTM a36**
Mechanical	**Determination of ultimate tensile strength**	**Anchor bolt**	**ASTM F1554-04**
Mechanical	**Determination of elongation**	**Anchor bolt**	**ASTM F1554-04**
Non-Destructive	**Magnetic particle test**	**Piping pipeline structures**	**ASME B31.1 API 1104 AWS D1.1**
Non-Destructive	**Ultrasonic test**	**Piping Pipeline structures**	**ASME B31.1 API 1104 AWS D1.1**
Non-Destructive	**Radiographic test**	**Piping**	**ASME B31.1 API 1104**

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		Pipeline structures	**AWS D1.1**
Non-Destructive	**Penetrant Test**	**Piping** **Pipeline structures**	**ASME B31.1** **API 1104** **AWS D1.1**
Physical	**Hardness test**	**Pipe**	**ASTM D2240,** **ASTM D785**
Mechanical	**Determination of external loading characteristics**	**Plastic pipe**	**ASTM D2412**
Physical	**Determination of wall thickness**	**Plastic pipe and fitting**	**ASTM D2412** **ASTM D2122**
Physical	**Determination of diameter**	**Plastic pipe and fitting**	**ASTM D2412** **ASTM D2122**
Physical	**Standard specification for type III polymer modified asphalt cement for use in pavement construction**	**Polymer**	**ASTM D5841**
Chemical	**Standard Practices for Identification of Crystalline Compounds in Water-Formed Deposits By X-Ray Diffraction**	**Epoxy**	**ASTM D934**
Physical	**Test of expansion joint**	**Bridge expansion joint test**	**ASTM D4014**
Physical	**Test of rubber bade**	**Bridge rubber bade**	**ASTM D4014** **ASTM D412** **ASTM D395** **ASTM D2240** **ASTM D1149**
Electrical Physical	**Determination of Dimensions**	**Tubular Steel Poles (ST-52)**	**Ministry of Electricity/Technical SpecificationD22-2019 & DIN-17100**

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Electrical Physical	**Determination of Dimensions**	**Lattice Steel Poles (ST-52)**	**Ministry of Electricity/Technical Specification D46-2012 & DIN-17100**
Electrical &Physical	**Determination of Diameter of Conductor**	**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**
	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		
	Determination of Electrical Resistance		
Electrical &Physical	**Determination of Diameter of One Wire**	**Wire**	**IEC 60228:2004 MOE(D47:17)**
	Determination of Cross-Sectional area		
	Determination of Stranding		
	Determination of Electrical Resistance		
Physical	**Hydrostatic test**	**HDPE Pipe**	**ISO 1167-1,2**
	Determination of wall thickness		
	Determination of diameter		
Chemical	**Standard Test Methods for pH**	**Water**	**ASTM D1293**
Chemical	**Standard Test Methods for Dissolved Oxygen**	**Water**	**ASTM D888**
Physical	**Determination of biochemical oxygen demand after n days (BODn)**	**Water**	**ISO 5815**
Chemical	**Standard Test Methods for Chloride Ion in Water**	**Water**	**ASTM D512**

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Chemical	**Standard Test Methods for Electrical Conductivity and Resistivity**	**Water**	**ASTM D1125**
Chemical	**Standard Test Method for Turbidity**	**Water**	**ASTM D1889**
Chemical	**Standard Test Methods for Ammonia Nitrogen**	**Water**	**ASTM D1426**
Chemical	**Standard Test Methods for Nitrite-Nitrate**	**Water**	**ASTM D3867**
Chemical	**Standard Test Methods for Nitrite-Nitrate**	**Water**	**ASTM D3867**