

شهادة اعتماد

رقم 175 TL



يقر نظام الاعتماد العراقي بأن:
مختبر صلاح الدين الانشائي/ المركز الوطني للمختبرات الانشائية

العراق - صلاح الدين - تكريت - حي شيشين

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

في مجال:

- اختبارات المواد الانشائية
- اختبارات المواد المعدنية

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

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

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

يكون الاعتماد نافذا من ٢٠٢٤/٦/١٣ الى ٢٠٢٦/٦/١٢

تاريخ منح الاعتماد لأول مرة

٢٠٢٤/٦/١٣

سند

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

سند

د. محمد لطيف أحمد
مدير عام الهيئة العراقية للاعتماد

ACCREDITATION CERTIFICATE

No. TL 175



Iraqi Accreditation System Certify that:

**Saladin Construction Laboratory/ National Center for
Construction Laboratories**

Iraq – Saladin - Tikrit - Shishen neighborhood

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

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 13/6/2024 To 12/6/2026

Initial accreditation date
13/6/2024

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 – Saladin - Tikrit - Shishen neighborhood	Organization name : Saladin Construction Laboratory/ National Center for Construction Laboratories	Accreditation no.: TL 175
Signature:  Abdul Wahid Mohammed Ibrahim Deputy General Manager	Accreditation is valid: From 13/6/2024 To 12/6/2026	Issue no. : 001

Testing field	Type of test	Test object or product	Reference to standardized method
Physical	Design of Normal Concrete Mixes	Concrete mix design	BRE, London 1997
Mechanical	Compression Strength	Concrete cube	Iraqi guide no.348:2017
Physical	Density		Iraqi guide no.274:1992
Mechanical	Compression Strength		B.S.EN12390-3:2001
Physical	Density		B.S.EN12390-1,7:2000 B.S.EN12350-2:2000
Mechanical	Compression Strength	Clay brick	Iraqi Standard No.24 Iraqi standard No.25 and the edition no.1
Physical	Dimension		
	Water Absorption		
	Efflorescence Test		
Mechanical	Compression Strength	Concrete Masonary Units	Iraqi guide no.1077-1987
Physical	Water Absorption		
Mechanical	Modulus Of Rupture	Precast Concrete Flags	Iraqi guide no.1107-1988 and amendment 1 st -2002 & amendment 2 nd -2016
Physical	Dimension		
	Water Absorption		
Mechanical	Flexural Strength	Ordinary& Terrazo Tiles	IQS 1042-1984 and the amendments 1,2,3, and 4 IQS1043-1984 IQS 31-1989
	Face -Water Absorption		
	Total Absorption		
	Determination of Dimension		
Physical	Water Absorption	Concrete Interlocking paving	Iraqi guide no.1606 and second edition for the update of 2017 ASTM C140-2023
	Compressive Strength		
Physical	Finess	Gypsum for Building	Iraqi guide no.28-2010 And the 1 st & 2 nd edition IG 1042/2011
	Standard Consistency		
	Setting Time		
Mechanical	Compressive Strength	Fine and Coarse Aggregates	Iraqi guide no.45-1984 and the amendments 1st 2015& 2nd 2016 ASHTOO T27 Standard Specification of
Physical	Sieve Analysis		

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			highway B8 and the amendments 1999
Physical	Setting Time	Cement and Portland Cement	Iraqi guide no.5 2019
	Soundness Test		B.S .EN 196-3:2016
Mechanical	Compressive Strength		B.S .EN=196-1 :2016
	Fineness		Iraqi guide no.5 2019
Physical	Rebound Number of Hardened Concrete	Hardened Concrete	Iraqi guide no.198
	Compressive Strength of Concrete By Ultra-Sonic Waves Method		Iraqi guide no.5 2019
	Compressive Strength	Concrete drilled cores	ASTM C805-2013a
	Density		ASTM C597-2009
	Bearing Ratio of Laboratory Compacted Soil (C.B.R)	soil	ASTM D1883
	Density of Soil in Place By The Drive - Cylinder Method		ASTM D2937
	Density of Soil in Place by The Sand - Cone Method and Correction for Oversized Particles	Sub base	ASTM D1556
	Sieve Analysis for Granular Materials		ASHTO T27
	Moisture-Density Relation Ship		ASHTO -T180
	Liquid Limit, Plastic Limit, Plasticity Index and Liner Shrinkage of Soils		AASHTO T89,T90
	Resistance to Degradation of Aggregate By Los Angeles Machine		IQS 41/1984
	Determination of Moisture-Density Relation Ship	Soil	ASTM C131/2003 ASTM C 535/2003 ASHTO -T180

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Physical	Liquid Limit, Plastic Limit, Plasticity Index and Liner Shrinkage Of Soils		AASHTO T89,T90
	Thickness or Height	Asphalt Mixture	ASTM D3549/D3549M-17 Standard Test Method
	Flow		ASTM1559-89
	Standard Practice for Sampling Bituminous Paving Mixtures		AASHTO T168 , D979/D979M – 15
	Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures		ASTM D2041/D2041M-11 , AASHTO T209
	Asphalt Content of Asphalt Mixture by Ignition Method		ASTM D6307-16 2005
	Preparation of Asphalt Mixture Specimens Using Marshall		AASHTO T245 - ASTM D6927-16 - ASTM D6926-16
	Sieve Analysis		ASTM 5444-2015
	The Percentage Of Fractured Particles In Coarse Aggregate	Coarse Aggregate	ASTM D5821-13
	Sieve Analysis of Fine & Coarse Aggregate used in job Mix Formula	Asphaltic Mixtures	SORB/R9&its Amendments on 1999&200 ASTM C136/C136M-14
	Job Mix Formula for Asphaltic Mixture (Marshall Method)		T166/ASTM2726/D2726M-17 SCRB / R9-2003
	Bulk Density Marshall Test & Specific Gravity		T166/ASTM2726/D2726M-17 SCRB – R9 / 2003
Physical	Effect of Water on Compressive Strength	Compacted Bituminous Mixtures	AASHTO T165/2002 ASTM D 1074/2002& ASTM D 1075/2000

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	Kinematic Viscosity test of asphalt	Compacted Bituminous Mixtures	ASTM D2170-10 AASHTO T 201-2003
	Solubility	Bituminous Mixtures	ASTM D2042/2001, AASHTO T44/2003
	Specific Gravity & Absorption	Aggregates	IQS 31 / 1981
	Penetration	Asphaltic cement	SCRB-R9/2003 ASTM D5/2005, AASHTO T49/2006 IQS No.9 (1985)
	Flash Point(Cleveland open cup)		SCRB-R9/2003 ASTM D92/2005 AASHTO T48/2005 IQS No.134 (1986)
	Ductility		SCRB-R9/2003 ASTM D113/1999, AASHTO T51/2006 IQS No.160 (1986)
	Clay Lump & Friable Particles	Aggregate	AASHTO T112/2012 & ASTM C142/ C142M/2010 7 IQG 500-2/2013
Chemical	Soundness Of Aggregate By Using Sodium Sulfate Or Magnesium Sulfate Test		IQS 44-1984&AASHTO T104-2011& ASTM C88-2013
	Total Sulphate Content		Iraqi guide no.500/3/2018 B.S.EN 1744-1:2009-A1:2012(E)
	Total Sulphate Content	Gravel	Iraqi guide no.500/3/2018 B.S.EN 1744-1:2009-A1:2012(E)
	Total Sulphate Content	Hardened concrete	GID448/1994, BS 1881:part 124/2015
	Total Sulphate Content	Sub base	B.S1377-3-2018/(Section 7)
	Total Soluble Salt		Earth Manual Part 2 USBR5450-1989
	Organic Matter Content		B.S1377-3-2-2018 Test No.4

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	Total Sulphate Content	Soil	B.S1377-3-2018/(Section 7)
	Total Soluble Salt		Earth Manual Part 2 USBR5450-1989
	Organic Matter Content		B.S1377-3-2-2018 Test No.4
	Combined Water, Not Combined Water, Silica & Insoluble Matter, (Fe ₂ O ₃ + Al ₂ O ₃), Cao Content, Mgo Content, Sodium Chloride Content, SO ₃ Content, Loss On Ignition	Gypsum and Gypsum products	IOG No.273/2012
	Loss On Ignition, Insoluble Residue, SO ₃ Content, Silica Content, R ₂ O ₃ Content, Cao Content, Mgo Content, Fe ₂ O ₃ Content, Al ₂ O ₃ , And CI Content	Cement	IOG No.472/and amendment in 2015&2016
	Chloride Ion Sulfate Ion	Water making concrete	Iraqi guide no.1703/2018 (Based on ASTM D 512/04) (Based on ASTM D 516/02)
	Soundness Of Aggregate By Using Sodium Sulfate Or Magnesium Sulfate Test	Gravel stone	GID 889-2005
Mechanical	Tensile Strength	Reinforcing steel bar	ASTM A615/A615M
	Yield Strength		ASTM A370
	Elongation		
	Bending		ASTM E 290
Physical	Dimension, Weight		ASTM A615/A615M