



Construction Material Testing Laboratory

AL AALAMY Co.



AL AALAMY CO.

www.aalamytesting.com



ABOUT US

ALAALAMY is a professionally competent, reliable & trustworthy company based in Basra, engaged in testing of all type of construction materials.

ALAALAMY delivers superior value to all its customer by leveraging its expertise in

- Material testing services
- Inspection
- Consulting
- Contract
- Research and training

We are an independent laboratory, promoted with the objectives of providing building material testing services to Industry, Institution, Government and other private agencies.

INTERNATIONAL STANDARD IS/ISO/IEC – 17025: 2017

The company management is committed to carry out testing activities under the scope of this management system by meeting the requirement of ISO

OUR PURPOSE

to develop awareness in public by use of technology for the benefit & comfort of life

OUR CORE VALUES

- Trust & transparency
- Work towards “Excellence”
- Team work
- Create lasting relationship

The laboratory is being run and managed by the technical and experienced professionals having a wide experience in the various areas of their specialization. The laboratory employee's well-qualified staffs who are capable enough to test and supervise the work and related quality functions.

The company has installed the requisite equipment's to meet the requirements.

OUR SERVICE

Our laboratory provides engineering inspection services that include:

- › Steel
- › Cement
- › Aggregate (fine & Coarse)
- › Concrete
- › Structural steel
- › Soil lab
- › Soil investigation
- › NDT
- › Bitumen and hot mix design
- › Mastic Asphalt
- › Admixture Test
- › Emulsion
- › Slab Load Test
- › Plastic Test
- › Compaction degree of Road
- › Material Lab.

For all of the above-mentioned services, we provide complimentary transport services for sample collection





CERTIFICATE

Certificates of incorporation and accreditation for ALAALAMY Company for Engineering Inspection

REPUBLIC OF IRAQ
Ministry of Trade
التجارة

جمهورية العراق
وزارة التجارة
قسم تسجيل الشركات
شركة عالمي للتحريات الهندسية محدودة المسؤولية
رأسمالها (1.000.000.000) مليار دينار
بواسطة المرسوم، حتى يعود قيد العمل / الفسرة - الحجاز / حنوي بقنا

تأسيس شركة

تمثل بطلب التأسيس المرفقة من قبل ٢٠٢٠/٠٧/٠٧ في ٢٠٢٠/٠٧/٠٧
الشركات رقم (٢١) لسنة ١٩٦٧ المعدل راجعاً لمرامق قانون السن وان تكون معترف الشركات في المناطق التجارية (غير السكنية) حيث ان يتم مراجعة
الجهة ذات الاختصاص للمسؤول على اجراء مسطرة الجهة مع التوقيع

البيانات
شركة تأسيس الشركة

المنطقة التي يخدمها
وزارة التخطيط - الجهاز المركزي للاحصاء
- البنك المركزي العراقي / دائرة السجلات والبرهنة
- مصرف العراق الاملاكي للاستثمار والتطوير / كتالوج المرفق ١٢٨٣٢ في ٢٠٢٠/٠٧/٠٧ على ان لا يتم لطلاق الرديمة
- الشركة المسجلة في السجلات التجارية والبيانات التجارية العراقية قسم الاستيراد
- هيئة العامة للتحريات الهندسية
- عمدة الغرف التجارية العراقية / كتالوج ذي العدد ١٦٠٩ في ٢٠٢٠/٠٧/٠٧
- غرفة تجارة بغداد
- نقابة المحاسبين
- دائرة القادسيه الحضان الاجنابي / ارباب الشركات
- الترتيب والمعلومات

مستحق
٢٠٢٠

رقم الحساب
90575346

رقم الضريبة
901712476

مجاهد محمد شافعي
مستحق الشركات
تموز ٢٠٢٠

REPUBLIC OF IRAQ
Ministry of Trade
Registrar of companies
شهادة تأسيس شركة

المنطقة التي يخدمها
وزارة التخطيط - الجهاز المركزي للاحصاء
- البنك المركزي العراقي / دائرة السجلات والبرهنة
- مصرف العراق الاملاكي للاستثمار والتطوير / كتالوج المرفق ١٢٨٣٢ في ٢٠٢٠/٠٧/٠٧ على ان لا يتم لطلاق الرديمة
- الشركة المسجلة في السجلات التجارية والبيانات التجارية العراقية قسم الاستيراد
- هيئة العامة للتحريات الهندسية
- عمدة الغرف التجارية العراقية / كتالوج ذي العدد ١٦٠٩ في ٢٠٢٠/٠٧/٠٧
- غرفة تجارة بغداد
- نقابة المحاسبين
- دائرة القادسيه الحضان الاجنابي / ارباب الشركات
- الترتيب والمعلومات

مستحق
٢٠٢٠

رقم الحساب
90575346

رقم الضريبة
901712476

مجاهد محمد شافعي
مستحق الشركات
تموز ٢٠٢٠

Ministry of planning
Iraqi Organization for Accreditation
IQAS

ACCREDITATION CERTIFICATE

No. TL 055

نظام الاعتماد العراقي
IRAQI ACCREDITATION SYSTEM
IQAS

Iraqi Accreditation System Certify that:

AI- AALAMY COMPANY FOR ENGINEERING TESTING
Iraq - Basra- Al-Ribat Al-Kabeer

Is accredited according to the requirements of the standard ISO/IEC17025:2017
(General Requirements for the Competence of Testing and Calibration Laboratories)

In the field of:
- Construction Materials Testing
- Metallurgical Material 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
<http://www.iqas.gov.iq>

Accreditation is valid from 22/6/2021 to 21/6/2023
Initial accreditation date
22/6/2021

Dr. Mohammed Lateef Ahmed
General Manager of IQAS

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

CERTIFICATE

Certificates of quality management system for tester of ALAALAMY Company for Engineering Inspection



THE DEPARTMENTS

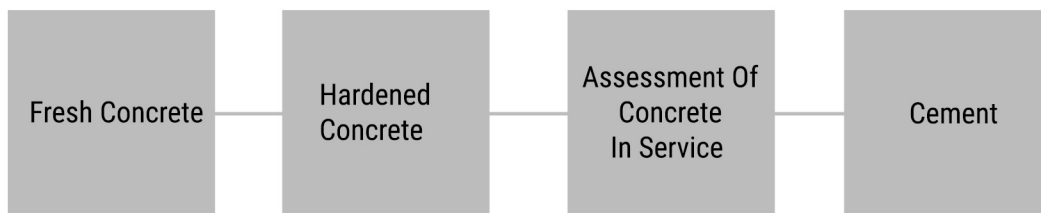
Concrete Lab	Road Lab	Soil Lab	Paved Lab	Plastic Lab
Design the Trial Mix Concrete	Clay and Granular Soil material	Test Soil in Lab	Bitumen Test	Tension Strength for any shape of plastic
Fresh Concrete	Road Lab Test	Soil Investigation	Gravel, Sand, Cement, Filler & Additive Test	Test for plastic pipe
Hardened Concrete	LAB road in site		Hot Mix Asphalt Test	Geogrid and Geotextile
Assessment Of Concrete In Service			Hot Mix Asphalt Design in Marshal Method	
Cement			Site Paved Test	





CONCRETE LAB

In concrete lab. We have testing for fresh, hardened assessment concrete, also cement and we dependent on **ACI CODE 318 & ACI 211.1** in trial mix design.



- > Slump
- > Temperature
- > Density
- > Air Content
- > Setting Time

- > Compressive Strength
- > Durability
- > Permeability
- > Density
- > Flexural

- > Core
- > Hammer
- > Ultrasonic
- > Loaded

- > Standard Consistency
- > Setting Time (Initial And Final),
- > Soundness (Autoclave Expansion Of Hydraulic Cement),
- > Compressive Strength(1, 3,7,28 Days)
- > Density
- > Fineness Test (By Blain Air)
- > Chemical Tests





ROAD LAB

The Road lab. includes Road testing and site inspection



- > Classification Of Soil
- > Sieve Analysis
- > Max Dry Density, Optimum Moisture Content
- > Alignment
- > Liquid Limit L.L, Plastic Limit P.L, Plasticity Index P.I
- > Lab California Bearing Capacity CBR
- > Uniformity factor D60, D10

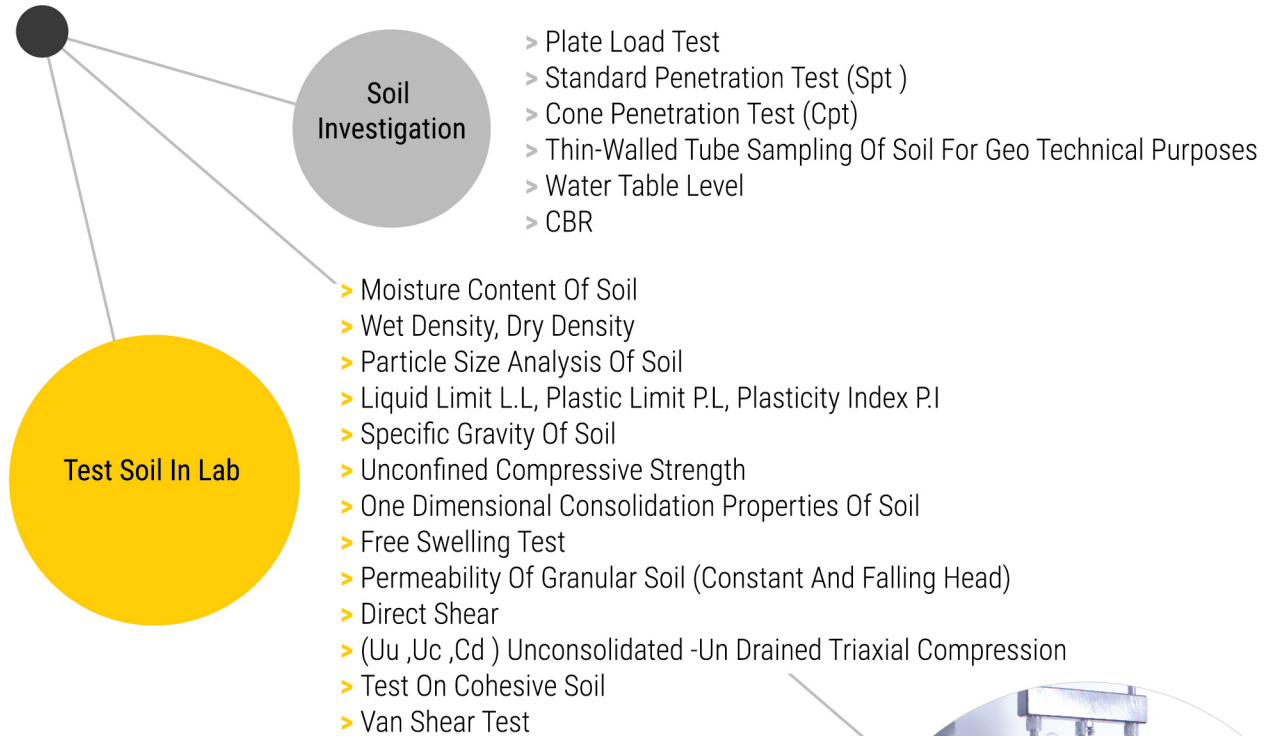


- > Field California Bearing Capacity CBR
- > Plate Bearing Capacity
- > Deep CBR
- > Alignment



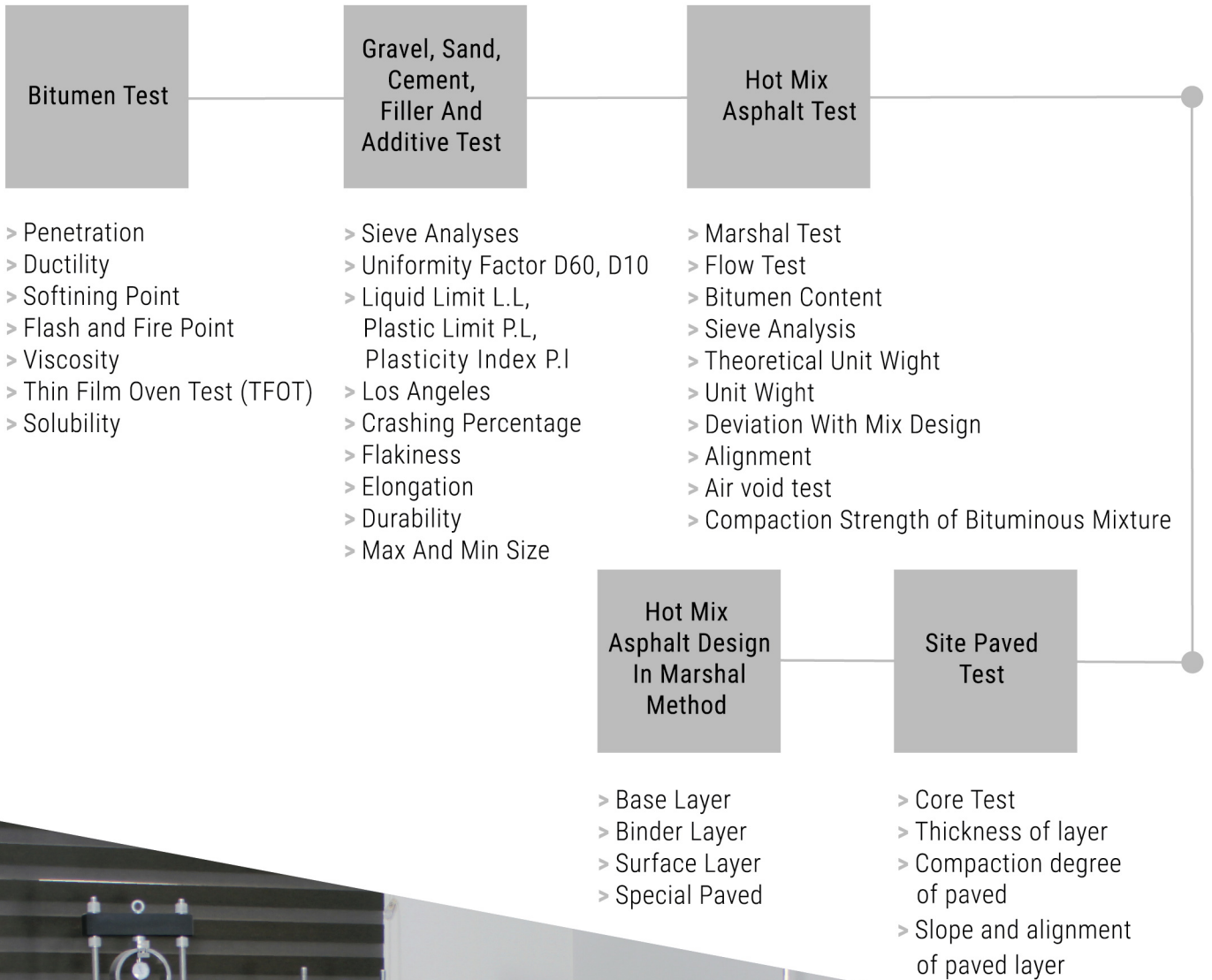
SOIL LAB

The Soil lab. includes Test Soil In Lab and Soil Investigation



PAVED LAB

In paved lab. We have testing bitumen, gravel, sand, cement, filler, additive test, Hot mix asphalt test , hot mix asphalt design in marshal method and site paved test.





PLASTIC LAB

In plastic department we have tension strength test for any shape of plastic and we have test for Geogrid and Geotextile, also we have the following test for plastic pipe

Plastic Pipe Test

- > Tension Strength
- > Internal Pressure
- > External Loading Characteristic
- > Compressive Strength for Rigid Plastic

Geogrid and Geotextile Test

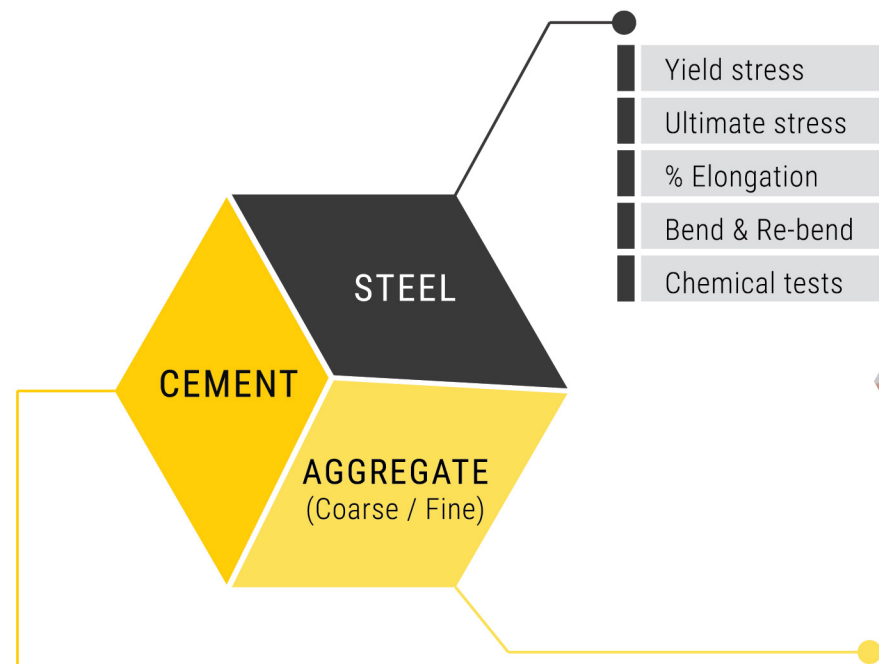
- > Tension Strength
- > Dimention
- > Density
- > Inspection

- Color
- Uniformity
- State

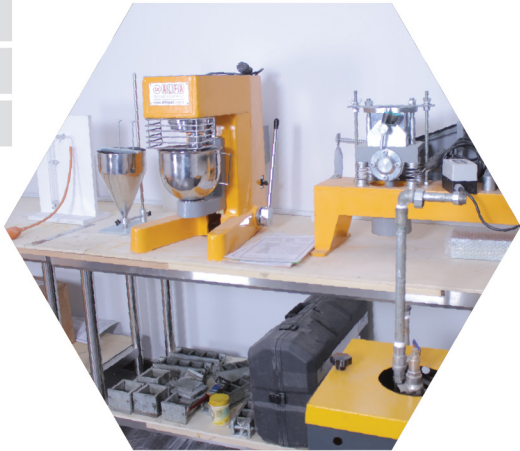




TEST MATERIAL



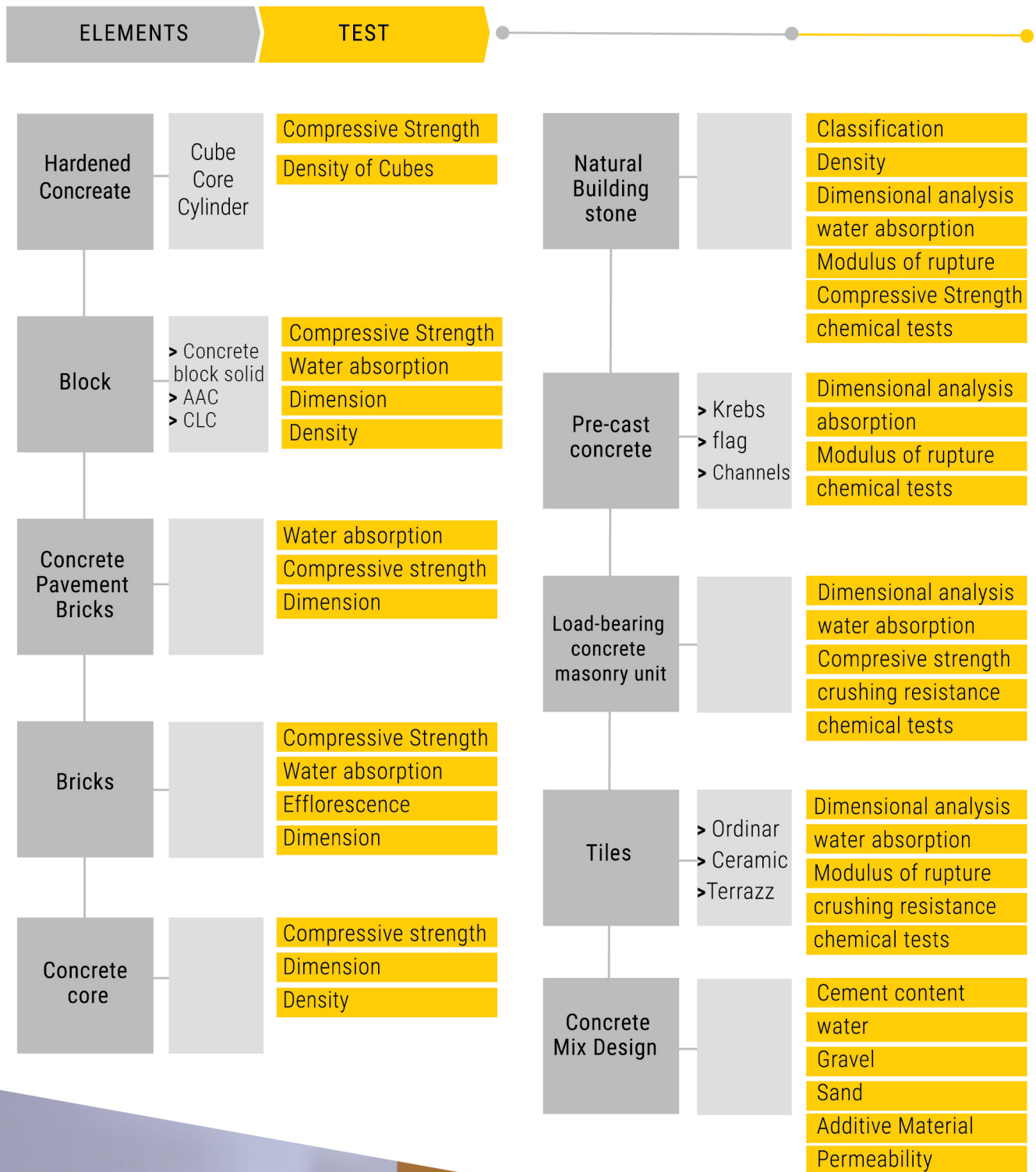
- Yield stress
- Ultimate stress
- % Elongation
- Bend & Re-bend
- Chemical tests



- Standard Consistency
- Setting Time (Initial and Final),
- Soundness (Autoclave Expansion of Hydraulic Cement),
- Compressive Strength (1, 3,7,28 days)
- Density
- Fineness Test (by Blain air)
- Chemical tests

- Sieve Analysis (Gradation)
- Bulk Density (Fine)
- Impact Value
- Crushing Value
- Water Absorption
- Specific gravity (Coarse / Fine)
- Elongation test
- Flakiness Index
- Chemical tests

MATERIAL LAB



ASPHALT TEST

Bitumen Tests

- > Penetration for bitumen
- > Ductility
- > Softening point
- > Flash and Fire point
- > Dynamic Viscosity
- > Thin Film Oven Test (TFOT)
- > Solubility
- > Kinematic Viscosity

Material Hot Mix Asphalt

- > Sieve analyses
- > Uniformity sand
- > Liquid limit, plastic limit for flier
- > Los Angeles gravel
- > Crashing percentage gravel
- > Flakiness, gravel
- > Elongation
- > Durability
- > Max and Min size
- > Specific gravity

Hot Mix Asphalt Tests

- > Design of asphalt or hot mix asphalt design
- > Temperature of paved layers
- > Marshal test
- > Flow test
- > Bitumen content
- > Sieve analysis
- > Theoretical unit wight
- > Unit weight
- > Deviation with mix design
- > layer

●	●	Base
		Binder
		Surface
		Special paved

 - > Compaction degree of paved
 - > Thickness of layer

Mastic Asphalt

- > Hardness number test
- > JMF of mastic asphalt



STRUCTURAL STEEL

- Tensile test (with machining)
- Weigh per meter
- Bend – Re bend test
- Thickness
- Dimension

ADMIXTURE TESTS

- pH
- Density
- Ash content
- Chloride
- Solid content

GYPSUM FOR BUILDING TESTING

- Fine
- Setting time
- Compressive strength
- Flexural strength

EMULSION

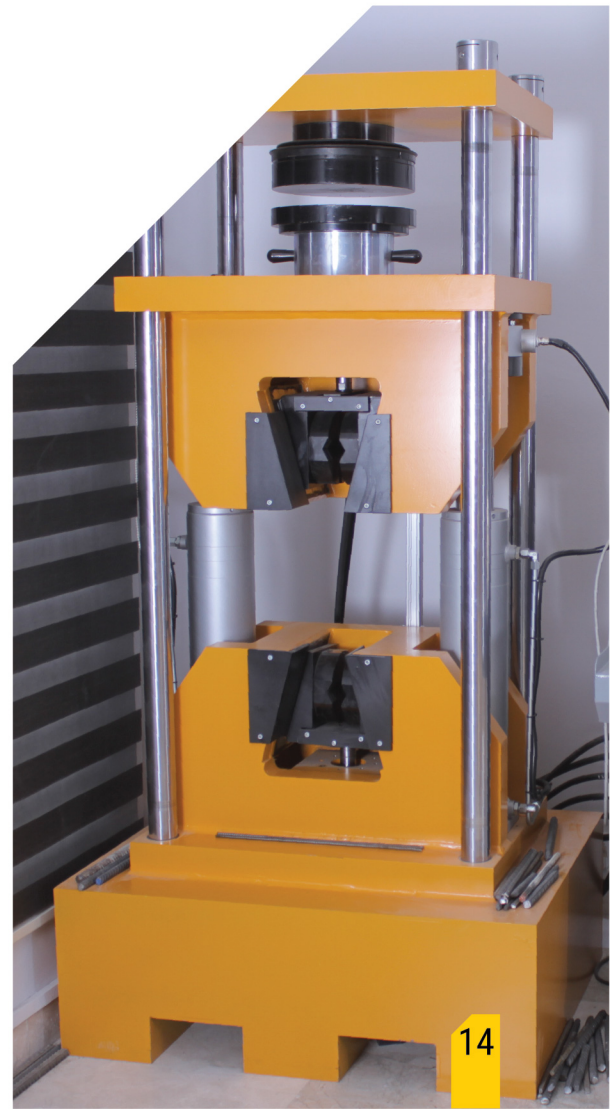
- Percent of Residue on 600 microns
- Viscosity at 25 C°
- Viscosity at 50 C°
- Residue by evaporation
- Miscibility in water

NDT TESTS & ASSESSMENT FOR CONCRETE

- Ultrasonic plus velocity UPV method
- Rebound hammer
- Rebar detector
- Cracking Width and Depth test
- Loaded test

BITUMINOUS MIXES

- Testing of materials
- Job mixed formula
- reparation of Marshall specimen
- Density
- stability & flow value tests
- determination of air voids
- void filled with Bitumen in the mix
- core specimens are collected from pavement surfaces and density gradation & bitumen content are found out





AL AALAMY CO.

ALAALAMY CO.

Construction Material Testing Laboratory

Iraq-Basra-Al Ribat Al Kabeer-Saafat Al Basra Complex
Building No.30/2393 (348)

✉ info@aalamytesting.com

☎ +964 782 802 9772
770 499 1131
781 271 3326

www.aalamytesting.com