

(مجال ترخيص مختبر خاص) رقم الترخيص: PLL 0017 - 18/03/2025

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مجال ترخيص مختبر Laboratory License Scope			اسم المختبر Laboratory Name	عنوان المختبر Laboratory Address	رقم الترخيص License No.
قطاع القياس والمعايرة والتحقق Measurement, Calibration, and Verification Sector					
S.No.	المجالات الفنية Technical Scopes	المواصفات القياسية Standards			
1	الأطوال Lengths	Length Measurement Measuring Length of -Soil Compact - Los Angeles - Casagrande - Asphalt compactor - Resilience Tester----- ----- up to 300 mm, Straight Edge - Length 3 m - Flatness 0-04 to 1 mm - Heigh up to 50 mmt, Caliper Checker-----Up to 300 mm, Thickness Gauge - Mechanical and Electronic----- -----Up to 50 mm, Feeler Gauge----- -----Up to 2 mm, Plain Plug Gauge----- -----Up to 25 mm, Pin Gauge----- -----Up to 10 mm, LVDT Transducer-- -----Up to 50 mm, Micrometers - Digital and Mechanical----- Up to 25 mm, Dial Indicator/Gauge----- -----Up to 30 mm, Height Gauge - Vernier - Dial - Digital-----Up to 600 mm, Caliper - Vernier - Dial and Digital-----Up to 300 mm	شركة مختبرات بايونيير الصناعية شركة ذات شخص واحد / Pioneer Industrial Laboratories Company	3887 الرياض 12382- / 1 6391 Riyadh	PLL 0017



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2	الكتلة Mass	Pipettes----- up to1000 micromillimeter, Graduated Cylinder----- up to 1000 ml, Rotational Speed - Measure----- up to 10000rpm, Air Content Meter 5 and 7 L -----up to 15 percent, Mass-Measure - Soil Compact - Los Angeles - Casagrande - Asphalt compactor----- up to 5 kg, Mass - Measure----- -up to 35 Kg, Force - Compression - Measuring Equipment----- up to3000KNN, Weighing Bridges---- -- up to10000 kg, Batching Plant - Weighing Scale - Admixture Scale ---- up to 5000 kge, Scales and Balances up to 1000 kg, Pressure - Measuring Instruments - Pneumatic Gauge Vacuum - Hydraulic Gauge Pressure -0-085 to 0 bar and up to 1000 bar e			
				الإدارة العامة للسلامة المتجات إدارة قبول جهات تقويم المطابقة الهيئة السعودية للمواصفات والمقاييس والجودة Saudi Standards, Metrology and Quality org.	

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3	الحرارة Heat	from - 40 up to 1200 C-----Temperature Measure - Ovens - Furnaces - Liquid Baths Sterilizers - Freezers - Incubators, Thermo-Hygrometer-----from 10 to 90 percent, Thermocouple Probes-----from -40 up to 650 C, -----from -40 up to 650 C -----Temperature - Measuring Instruments - Temperature Indicators - Thermometers - Liquid in Glass - Analog and Digital - Data Loggers w/ Probes - Recorders
4	الزمن Time	Stop Watches-----up to 5 hr

قطاع التشييد ومواد البناء Construction and Building Materials Sector		
S.No.	المجالات الفنية Technical Scopes	المواصفات القياسية Standards
		ASTM C1064/Temperature of Freshly Mixed Hydraulic-, ASTM C805---Rebound Number of Hardened Concrete, ASTM C231/Air Content of Freshly Mixed Concrete by the Pressure Method, ASTM C172/Sampling Freshly Mixed Concrete, ASTM C143/Slump of Hydraulic-Cement Concrete, ASTM C39---Compressive Strength of Cylindrical Concrete



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8	اختبارات التربة Soil Testing	Specimens, ASTM D6927-----Marshall Stability and Flow of Bituminous Mixtures, ASTM D6926---Preparation of Bituminous Specimens Using Marshall Apparatus, ASTM D5444----- Mechanical Size Analysis of Extracted Aggregate, ASTM D3549-----Thickness or Height of Compacted Bituminous Paving Mixture, ASTM D3203-----Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures, ASTM D2995-----Practice for Estimating Application Rate and Residual Application, ASTM D2726---Bulk Specific Gravity and Density of Non-Absorptive Compacted Bituminous Mixtures, ASTM D2172---Quantitative Extraction of Bitumen from Bituminous Paving Mixtures, ASTM D2041---Theoretical Maximum Specific Gravity and Density of Bituminous, ASTM D1188---Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Coated Samples, ASTM D979---Sampling Bituminous Paving Mixtures, ASTM D5821----- Determining the Percentage of Fractured Particles in Coarse Aggregate, ASTM D4791---Flat Particles Elongated Particles or Flat and Elongated Particles in Coarse Aggregate, ASTM D2419---			
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Sand Equivalent
Value of Soils and
Fine Aggregate,
ASTM C142---Clay
Lumps and Friable
Particles in
Aggregates, ASTM
C136---/Sieve
Analysis of Fine and
Coarse Aggregates,
ASTM C131---
Resistance to
Degradation of Small
-Size Coarse
Aggregate by, ASTM
C128--Density
Relative Density
Specific Gravity and
Absorption of Fine
Aggregate, ASTM
C127--Density
Relative Density,
ASTM C117--
Materials Finer than
75-m, ASTM C88--
Soundness of
Aggregates by Use of
Sodium Sulfate or
Magnesium
Sulphate, ASTM
D6938--In-Place
Density and Water
Content of Soil and
Soil-Aggregate by
Nuclear Methods,
ASTM D6913--
Particle-Size
Distribution
Gradation of Soils
Using Sieve Analysis,
ASTM D4318--
Liquid Limit Plastic
Limit and Plasticity
Index of Soils, ASTM
D1883---CBR
California Bearing
Ratio of Laboratory
Compacted Soils,
ASTM D1557--
Laboratory
Compaction
Characteristics of
Soil Using Modified
Effort, ASTM D1556
--Density and Unit
Weight of Soil in
Place by Sand-Cone
Method, 0ASTM
D1140 Amount of
Material in Soils
Finer than No 200
Sieve



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