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CERTIFICATE OF ACCREDITATION

This is to attest that

WIMPEY LABORATORIES LLC.

DUQM SPECIAL ECONOMIC ZONE (SEZAD)
SULTANATE OF OMAN

Testing Laboratory TL-795

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation maintained on the IAS website (www.iasonline.org).

This certificate is valid up to August 1, 2019



This accreditation certificate supersedes any IAS accreditation bearing an earlier effective date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See www.iasonline.org for current accreditation information, or contact IAS at 562-364-8201.



Raj Nathan
President



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SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-795
Company Name	Wimpey Laboratories LLC
Address	DUQM Special Economic Zone (SEZAD), Sultanate of Oman
Contact Name	Balu Sudhakaran, Technical Manager
Telephone	+968 95530362
Effective Date of Scope	July 20, 2018
Accreditation Standard	ISO/IEC 17025:2005

Concrete

BSEN: 12390:3	Testing hardened concrete - Compressive strength of test specimen
BSEN: 12390:7	Testing hardened concrete - Density of hardened concrete
BS 1881:208	Testing concrete – recommendations for the determination of the initial surface absorption of concrete
BS 1881:122	Testing concrete – method for determination of water absorption
DIN 1048 Part 5 / BSEN 12390-8	Testing hardened concrete - depth of penetration of water under pressure
AASHTO T277	Electrical indication of concrete's ability to resist chloride ion penetration

Soil

ASTM D 1556	Standard Test Method for Density and Unit Weight of Soil in Place by Sand-Cone Method
ASTM D2216	Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass
ASTM D 1557	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort
ASTM D2419	Standard test method for sand equivalent value of soils and fine aggregate
ASTM D1883	Standard test method for California Bearing Ratio of laboratory compacted soils
ASTM D4318	Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils



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ASTM D422	Standard test method for particle size analysis of soil
BS 1377 Part 9	Sand Replacement method suitable for fine and medium grained soils - Determination of in-situ density Cl. 2.1 & 2.2
BS 1377 Part 2	Soils for civil engineering purposes - Classification tests: Determination of particle size distribution (Wet & Dry) Cl. 9.2 & 9.3
BS 1377 Part 2	Soils for civil engineering purposes - Classification tests: Determination of liquid limit, plastic limit & plasticity index and determination of particle density Cl. 4, 5 & 8
BS 1377 Part 4	Methods of test for soils for civil engineering purposes-compaction-related tests: (4.5 kg rammer for soils with particles upto medium-gravel size & coarse gravel-size particles and Determination of the California Bearing Ratio) Cl. 3.5, 3.6 & 7
Aggregate	
BS 812-105.1 (withdrawn)	Testing aggregates - methods for determination of particle shape- Flakiness index
BS 812-105.2 (withdrawn)	Testing aggregates - methods for determination of particle shape- elongation index of coarse aggregate
BS EN 933-1	Test for geometrical properties of aggregates - Part 1: Determination of particle size distribution - sieving method
BS 812-110	Testing aggregates - methods for determination of aggregate crushing value (ACV)
BS 812-111	Testing aggregates - method for determination of ten percent fines value (TFV)
BS 812-112	Testing aggregates-method for determination of aggregate impact value (AIV) (Wet & Dry) Cl. 7.1 & 7.2
BS 812-2	Testing of Aggregates - Methods of determination of density & Water absorption
ASTM C127	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate
ASTM C128	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate
ASTM C131/C131M	Standard test method for resistance to degradation of small-size coarse aggregate by abrasion and impact in the Los Angeles machine



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ASTM C136/C136M

Standard test method for sieve analysis of fine and coarse aggregates

Asphalt

ASTM D2172

Standard Test Methods for Quantitative Extraction of Bitumen From Bituminous Paving Mixtures

AASHTO T245

Resistance to Plastic Flow of Bituminous Mixture using Marshall Apparatus

ASTM D2041

Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures