



CERTIFICATE OF ACCREDITATION



Ninyo & Moore Geotechnical & Environmental Sciences Consultants

in

Irvine, California, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories ([aashtoresource.org](https://www.aashtoresource.org)).

A handwritten signature in black ink, appearing to read 'Jim Tymon', written over a horizontal line.

Jim Tymon,
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Moe Jamshidi', written over a horizontal line.

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 06/24/2024 at 7:12 PM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](https://www.aashtoresource.org/aap/accreditation-directory)



SCOPE OF AASHTO ACCREDITATION FOR:

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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	11/15/1999
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	06/18/2013
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	02/04/2015
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/18/2013
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	06/18/2013
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	06/18/2013
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/18/2013
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/18/2013
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/04/2015
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/18/2013



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Asphalt Mixture

Standard:

Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	11/15/1999
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	11/15/1999
T30	Mechanical Analysis of Extracted Aggregate	11/15/1999
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	11/15/1999
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	11/15/1999
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	11/15/1999
T246	Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus	10/29/2012
T247	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	11/15/1999
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	11/15/1999
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	11/15/1999
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	01/26/2016
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	11/15/1999
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	01/26/2016
T324	Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)	01/26/2016
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	11/15/1999
D1188	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	08/07/2019
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/31/2017
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	10/29/2012
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/29/2012
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	10/11/2022
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	05/31/2017



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Soil

Standard:

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T100	Specific Gravity of Soils	11/15/1999
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	10/29/2012
D422	Particle Size Analysis of Soils by Hydrometer	10/29/2012
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	10/29/2012
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	11/15/1999
D1556	Density of Soil In-Place by the Sand Cone Method	11/15/1999
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	11/15/1999
D1883	The California Bearing Ratio	10/29/2012
D2216	Laboratory Determination of Moisture Content of Soils	11/15/1999
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	11/15/1999
D2844	Resistance R-Value and Expansion Pressure of Compacted Soils	10/29/2012
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	10/29/2012
D4318	Plastic Limit of Soils (Atterberg Limits)	10/02/2015
D4718	Oversize Particle Correction	10/02/2015
D4829	Expansion Index of Soils	10/29/2012
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	11/15/1999



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Aggregate

Standard:

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R76	Reducing Samples of Aggregate to Testing Size	05/25/2018
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	06/28/2017
T21	Organic Impurities in Fine Aggregates for Concrete	05/25/2018
T27	Sieve Analysis of Fine and Coarse Aggregates	06/28/2017
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	06/28/2017
T85	Specific Gravity and Absorption of Coarse Aggregate	06/28/2017
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	05/31/2017
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/26/2016
T210	Aggregate Durability Index	05/31/2017
T255	Total Moisture Content of Aggregate by Drying	05/25/2018
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	01/26/2016
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	01/26/2016
C40	Organic Impurities in Fine Aggregates for Concrete	11/15/1999
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	11/15/1999
C127	Specific Gravity and Absorption of Coarse Aggregate	11/15/1999
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	11/15/1999
C136	Sieve Analysis of Fine and Coarse Aggregates	11/15/1999
C566	Total Moisture Content of Aggregate by Drying	11/15/1999
C702	Reducing Samples of Aggregate to Testing Size	11/15/1999
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/31/2017
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	01/26/2016



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Concrete

Standard:		Accredited Since:
C31 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	11/15/1999
C31 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	11/15/1999
C39	Compressive Strength of Cylindrical Concrete Specimens	11/15/1999
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	11/15/1999
C138	Density (Unit Weight), Yield, and Air Content of Concrete	11/15/1999
C143	Slump of Hydraulic Cement Concrete	11/15/1999
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	05/25/2018
C172	Sampling Freshly Mixed Concrete	11/15/1999
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	11/15/1999
C192	Making and Curing Concrete Test Specimens in the Laboratory	05/25/2018
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	11/15/1999
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/06/2013
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	06/08/2021
C1064	Temperature of Freshly Mixed Portland Cement Concrete	11/15/1999
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	02/24/2011