



CERTIFICATE OF ACCREDITATION



Ninyo & Moore

in

Tucson, Arizona, 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 6:47 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	09/09/2013
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	05/04/2018
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	05/04/2018
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	02/27/2015
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	05/30/2019
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	02/27/2015
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/27/2015
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/30/2019
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/03/2021
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/27/2015



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Asphalt Mixture

Standard:

Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	02/27/2015
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	02/27/2015
T30	Mechanical Analysis of Extracted Aggregate	02/27/2015
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	02/27/2015
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	02/27/2015
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	02/27/2015
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	02/27/2015
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	02/27/2015
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	02/14/2023
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	05/30/2019
T355	Density of Bituminous Concrete In Place by Nuclear Methods	05/30/2019
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	02/27/2015
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	02/27/2015
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	05/30/2019
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	02/27/2015
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	03/10/2022
D5444	Mechanical Analysis of Extracted Aggregate	02/27/2015
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	02/27/2015
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	02/14/2023
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	02/27/2015
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	02/27/2015



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/27/2015
R74	Wet Preparation of Disturbed Soil Samples for Test	05/30/2019
T88	Particle Size Analysis of Soils by Hydrometer	03/10/2022
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	02/27/2015
T90	Plastic Limit of Soils (Atterberg Limits)	02/27/2015
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/27/2015
T100	Specific Gravity of Soils	03/10/2022
T134	Moisture-Density Relations of Soil-Cement Mixtures	03/10/2022
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/27/2015
T191	Density of Soil In-Place by the Sand Cone Method	05/30/2019
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	03/10/2022
T217	Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Moisture Tester	05/30/2019
T265	Laboratory Determination of Moisture Content of Soils	02/27/2015
T288	Minimum Soil Resistivity	02/27/2015
T289	pH of Soils for Corrosion Testing	02/27/2015
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	05/30/2019
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/27/2015
D422	Particle Size Analysis of Soils by Hydrometer	03/10/2022
D558	Moisture-Density Relations of Soil-Cement Mixtures	03/10/2022
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/27/2015
D854	Specific Gravity of Soils	03/10/2022
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	02/27/2015
D1556	Density of Soil In-Place by the Sand Cone Method	05/30/2019



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Soil (Continued)

Standard:

Accredited Since:

D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/27/2015
D2216 Laboratory Determination of Moisture Content of Soils	02/27/2015
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	03/10/2022
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	02/27/2015
D2488 Description and Identification of Soils (Visual-Manual Procedure)	02/27/2015
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	02/27/2015
D4318 Plastic Limit of Soils (Atterberg Limits)	02/27/2015
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	03/10/2022
D4718 Oversize Particle Correction	05/30/2019
D4829 Expansion Index of Soils	03/10/2022
D4944 Determination of Moisture in Soils by Means of a Calcium Carbide Gas Pressure Moisture Tester	05/30/2019
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	05/30/2019



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	05/23/2016
R90	Sampling Aggregate	02/27/2015
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	05/23/2016
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	05/30/2019
T21	Organic Impurities in Fine Aggregates for Concrete	05/23/2016
T27	Sieve Analysis of Fine and Coarse Aggregates	05/23/2016
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/23/2016
T85	Specific Gravity and Absorption of Coarse Aggregate	05/23/2016
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	05/30/2019
T112	Clay Lumps and Friable Particles in Aggregate	05/30/2019
T113	Lightweight Pieces in Aggregate	05/30/2019
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	03/15/2017
T255	Total Moisture Content of Aggregate by Drying	05/23/2016
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/30/2019
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	05/30/2019
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	05/30/2019
C40	Organic Impurities in Fine Aggregates for Concrete	09/09/2013
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	05/30/2019
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	09/09/2013
C123	Lightweight Pieces in Aggregate	05/30/2019
C127	Specific Gravity and Absorption of Coarse Aggregate	09/09/2013
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	09/09/2013
C136	Sieve Analysis of Fine and Coarse Aggregates	09/09/2013



SCOPE OF AASHTO ACCREDITATION FOR:

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Aggregate (Continued)

Standard:

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C142 Clay Lumps and Friable Particles in Aggregate	05/30/2019
C566 Total Moisture Content of Aggregate by Drying	09/09/2013
C702 Reducing Samples of Aggregate to Testing Size	09/09/2013
C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/30/2019
D75 Sampling Aggregate	02/27/2015
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	03/15/2017
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	05/03/2021
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	05/30/2019



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Sprayed Fire-Resistive Material

Standard:

Accredited Since:

E605 Thickness and Density of Sprayed Fire-Resistive Material(SFRM) Applied to Structural Members

02/27/2015

E736 Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members

02/27/2015



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Concrete

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/04/2016
R39	Making and Curing Concrete Test Specimens in the Laboratory	05/03/2021
R60	Sampling Freshly Mixed Concrete	05/23/2016
R100 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	05/03/2021
R100 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	05/03/2021
T22	Compressive Strength of Cylindrical Concrete Specimens	05/23/2016
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	05/03/2021
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/03/2021
T119	Slump of Hydraulic Cement Concrete	05/23/2016
T121	Density (Unit Weight), Yield, and Air Content of Concrete	05/23/2016
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	05/03/2021
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	05/23/2016
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/23/2016
T231 (9000 psi and below)	Capping Cylindrical Concrete Specimens	08/06/2021
T309	Temperature of Freshly Mixed Portland Cement Concrete	05/23/2016
C31 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	05/03/2021
C31 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	05/03/2021
C39	Compressive Strength of Cylindrical Concrete Specimens	09/09/2013
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	05/03/2021
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/03/2021
C138	Density (Unit Weight), Yield, and Air Content of Concrete	09/09/2013
C143	Slump of Hydraulic Cement Concrete	09/09/2013
C172	Sampling Freshly Mixed Concrete	09/09/2013



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Concrete (Continued)

Standard:		Accredited Since:
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/23/2016
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	05/03/2021
C192	Making and Curing Concrete Test Specimens in the Laboratory	05/03/2021
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	09/09/2013
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/04/2016
C617 (9000 psi and below)	Capping Cylindrical Concrete Specimens	08/06/2021
C1064	Temperature of Freshly Mixed Portland Cement Concrete	09/09/2013
C1140	Preparing and Testing Specimens from Shotcrete Test Panels	05/03/2021
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	09/09/2013



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Masonry

Standard:

Accredited Since:

C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes

05/03/2021

C1019 Sampling and Testing Grout

05/03/2021