AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

Ninyo & Moore – a SOCOTEC Company

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).

Jim Tymon,
AASHTO Executive Director

Matt Linneman,
AASHTO COMP Chair

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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
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/02/2025

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Asphalt Mixture

Standard:		Accredited Since:
R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	04/02/2025
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
R97	Sampling Bituminous Paving Mixtures	04/02/2025
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
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	04/02/2025
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
D979	Sampling Bituminous Paving Mixtures	04/02/2025
D1188	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	04/02/2025
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

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Asphalt Mixture (Continued)

Standard:	Accredited Since:
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
T135	Wetting-and-Drying Test of Compacted Soil-Cement Mixtures	04/02/2025
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
T267	Determination of Organic Content in Soils by Loss on Ignition	04/02/2025
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
D559	Wetting-and-Drying Test of Compacted Soil-Cement Mixtures	04/02/2025
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

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Soil (Continued)

Standard:	Accredited Since:
D854 Specific Gravity of Soils	03/10/2022
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	02/27/2015
D1556 Density of Soil In-Place by the Sand Cone Method	05/30/2019
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/27/2015
D1633 Compressive Strength of Molded Soil-Cement Cylinders	04/02/2025
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
D2974 Determination of Organic Content in Soils by Loss on Ignition	04/02/2025
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
D4972 pH Testing of Soils	04/02/2025
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	05/30/2019
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	04/02/2025

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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-µm (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
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	12/05/2024
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-µm (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

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Aggregate (Continued)

Standard:		Accredited Since:
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	12/05/2024
C136	Sieve Analysis of Fine and Coarse Aggregates	09/09/2013
C142	Clay Lumps and Friable Particles in Aggregate	05/30/2019
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	12/05/2024
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 MaterialsApplied 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 Test Specimens in the Field	05/03/2021
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/03/2021
T22	Compressive Strength of Cylindrical Concrete Specimens	05/23/2016
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores 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 (8000 psi and below)	Capping Cylindrical Concrete Specimens	12/05/2024
T309	Temperature of Freshly Mixed Portland Cement Concrete	05/23/2016
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	05/03/2021
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/03/2021
C39	Compressive Strength of Cylindrical Concrete Specimens	09/09/2013
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores 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 (8000 psi and below)	Capping Cylindrical Concrete Specimens	12/05/2024
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
C1542	Measuring Length of Concrete Cores	12/05/2024
C1604	Standard Test Method for Obtaining and Testing Drilled Cores of Shotcrete	12/05/2024

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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

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