Certificate of Accreditation

Ninyo & Moore – a SOCOTEC Company

in

Las Vegas, Nevada, 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	04/15/1998
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	02/03/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	02/03/2011
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	04/12/2018
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	09/10/2012
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	09/10/2012
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	09/10/2012
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/06/2015
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/06/2015
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/14/2015
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/07/2025
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/06/2015
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/24/2019

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Asphalt Mixture

Standard:		Accredited Since:
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	07/24/2019
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	09/10/2012
R97	Sampling Bituminous Paving Mixtures	06/24/2022
T30	Mechanical Analysis of Extracted Aggregate	04/15/1998
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	02/06/2015
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	04/15/1998
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	04/15/1998
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	09/10/2012
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	04/15/1998
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	04/15/1998
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	06/24/2022
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	04/15/1998
T355	Density of Bituminous Concrete In Place by Nuclear Methods	07/24/2019
D979	Sampling Bituminous Paving Mixtures	07/24/2019
D1188	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	04/15/1998
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	04/15/1998
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	04/15/1998
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	07/24/2019
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	04/15/1998
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	06/24/2022
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	06/24/2022
D5444	Mechanical Analysis of Extracted Aggregate	04/15/1998
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	04/15/1998

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Asphalt Mixture (Continued)

Standard:	Accredited Since:
D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	09/10/2012
D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	09/10/2012

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	04/15/1998
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	04/15/1998
T90	Plastic Limit of Soils (Atterberg Limits)	04/15/1998
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	04/15/1998
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	04/15/1998
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	02/06/2015
T191	Density of Soil In-Place by the Sand Cone Method	02/06/2015
T265	Laboratory Determination of Moisture Content of Soils	04/15/1998
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/06/2015
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	04/15/1998
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	04/15/1998
D1556	Density of Soil In-Place by the Sand Cone Method	02/06/2015
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	04/15/1998
D2216	Laboratory Determination of Moisture Content of Soils	04/15/1998
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	04/15/1998
D2488	Description and Identification of Soils (Visual-Manual Procedure)	04/15/1998
D2844	Resistance R-Value and Expansion Pressure of Compacted Soils	02/06/2015
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	04/15/1998
D4318	Plastic Limit of Soils (Atterberg Limits)	04/15/1998
D4829	Expansion Index of Soils	07/24/2019
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/06/2015

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	02/03/2011
R90	Sampling Aggregate	04/12/2018
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/03/2011
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	09/14/2015
T21	Organic Impurities in Fine Aggregates for Concrete	02/03/2011
T27	Sieve Analysis of Fine and Coarse Aggregates	02/03/2011
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/03/2011
T85	Specific Gravity and Absorption of Coarse Aggregate	02/03/2011
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	09/14/2015
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	05/05/2017
T112	Clay Lumps and Friable Particles in Aggregate	09/14/2015
T113	Lightweight Pieces in Aggregate	09/14/2015
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/03/2011
T255	Total Moisture Content of Aggregate by Drying	02/03/2011
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	03/23/2021
T330	The Qualitative Detection of Harmful Clays of the Smectite Group in Aggregates Using Methylene Blue	06/24/2022
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	02/03/2011
C40	Organic Impurities in Fine Aggregates for Concrete	02/03/2011
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	02/03/2011
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/03/2011
C123	Lightweight Pieces in Aggregate	09/14/2015
C127	Specific Gravity and Absorption of Coarse Aggregate	02/03/2011
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/03/2011

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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	09/14/2015
C136	Sieve Analysis of Fine and Coarse Aggregates	02/03/2011
C142	Clay Lumps and Friable Particles in Aggregate	09/14/2015
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	09/14/2015
C566	Total Moisture Content of Aggregate by Drying	02/03/2011
C702	Reducing Samples of Aggregate to Testing Size	02/03/2011
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	03/23/2021
D75	Sampling Aggregate	04/12/2018
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/03/2011
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	04/12/2018
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	04/12/2018

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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	07/24/2019

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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	08/26/2013
R39	Making and Curing Concrete Test Specimens in the Laboratory	09/14/2015
R60	Sampling Freshly Mixed Concrete	02/03/2011
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	02/03/2011
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	02/03/2011
R115	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	01/07/2025
T22	Compressive Strength of Cylindrical Concrete Specimens	02/03/2011
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	04/12/2018
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	08/26/2013
T119	Slump of Hydraulic Cement Concrete	02/03/2011
T121	Density (Unit Weight), Yield, and Air Content of Concrete	02/03/2011
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	04/12/2018
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	02/03/2011
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	09/14/2015
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/03/2011
T198	Splitting Tensile Strength of Cylindrical Concrete Specimens	04/12/2018
T231 (5000 psi and below)	Capping Cylindrical Concrete Specimens	01/07/2025
T277	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	09/14/2015
T303	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	09/14/2015
T309	Temperature of Freshly Mixed Portland Cement Concrete	08/26/2013
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	02/03/2011
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	02/03/2011
C39	Compressive Strength of Cylindrical Concrete Specimens	02/03/2011

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Concrete (Continued)

Standard:		Accredited Since:
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	04/12/2018
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	02/03/2011
C138	Density (Unit Weight), Yield, and Air Content of Concrete	02/03/2011
C143	Slump of Hydraulic Cement Concrete	02/03/2011
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	09/14/2015
C172	Sampling Freshly Mixed Concrete	02/03/2011
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/03/2011
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	04/12/2018
C192	Making and Curing Concrete Test Specimens in the Laboratory	09/14/2015
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	02/03/2011
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	01/07/2025
C469	Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	09/14/2015
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	04/12/2018
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/26/2013
C617 (5000 psi and below)	Capping Cylindrical Concrete Specimens	01/07/2025
C1064	Temperature of Freshly Mixed Portland Cement Concrete	02/03/2011
C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	09/14/2015
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	02/03/2011
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	09/14/2015
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	09/14/2015

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Masonry

Standard:		Accredited Since:
C140 (Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	04/12/2018
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/12/2018
C1019	Sampling and Testing Grout	04/12/2018
C1314	Compressive Strength of Masonry Prisms	04/12/2018
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	04/12/2018

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