AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

Ninyo & Moore – a SOCOTEC company

in

San Diego, 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).

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	01/15/2001
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	03/08/2012
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	10/04/2022
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	10/04/2022
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/27/2023
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	03/08/2012
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	06/04/2012
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/14/2013
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/27/2012
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/04/2022
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/04/2022
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/30/2022
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/30/2022

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Asphalt Mixture

Standard:		Accredited Since:
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	11/17/2009
T30	Mechanical Analysis of Extracted Aggregate	11/17/2009
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	11/17/2009
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	11/17/2009
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	11/17/2009
T246	Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus	06/03/2014
T247	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	11/17/2009
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	11/17/2009
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	11/17/2009
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	11/17/2009
T355	Density of Bituminous Concrete In Place by Nuclear Methods	12/30/2022
D1188	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	11/17/2009
D1560 (Stability)	Resistance to Deformation of Bituminous Mixtures by Means of Hveem Apparatus	11/17/2009
D1561	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	11/17/2009
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	11/17/2009
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	11/17/2009
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	12/30/2022
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	11/17/2009
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	12/30/2022
D5444	Mechanical Analysis of Extracted Aggregate	11/17/2009
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	11/17/2009
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	11/17/2009
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	11/17/2009

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/15/2001
T88	Particle Size Analysis of Soils by Hydrometer	01/15/2001
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/15/2001
T90	Plastic Limit of Soils (Atterberg Limits)	01/15/2001
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/15/2001
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/15/2001
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	08/21/2012
T193	The California Bearing Ratio	01/15/2001
T265	Laboratory Determination of Moisture Content of Soils	01/15/2001
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/15/2001
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/15/2001
D422	Particle Size Analysis of Soils by Hydrometer	01/15/2001
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/15/2001
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	06/12/2015
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/15/2001
D1883	The California Bearing Ratio	01/15/2001
D2216	Laboratory Determination of Moisture Content of Soils	01/15/2001
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/15/2001
D2488	Description and Identification of Soils (Visual-Manual Procedure)	01/15/2001
D2844	Resistance R-Value and Expansion Pressure of Compacted Soils	08/21/2012
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	01/15/2001
D4318	Plastic Limit of Soils (Atterberg Limits)	01/15/2001
D4643	Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	12/09/2019

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Soil (Continued)

Standard:	Accredited Since:
D4718 Oversize Particle Correction	12/09/2019
D4829 Expansion Index of Soils	06/12/2015
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/15/2001

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	02/01/2001
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/01/2001
T21	Organic Impurities in Fine Aggregates for Concrete	05/17/2011
T27	Sieve Analysis of Fine and Coarse Aggregates	02/01/2001
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/17/2011
T85	Specific Gravity and Absorption of Coarse Aggregate	02/01/2001
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/01/2001
T255	Total Moisture Content of Aggregate by Drying	02/01/2001
C40	Organic Impurities in Fine Aggregates for Concrete	02/01/2001
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	02/01/2001
C127	Specific Gravity and Absorption of Coarse Aggregate	02/01/2001
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/01/2001
C136	Sieve Analysis of Fine and Coarse Aggregates	02/01/2001
C566	Total Moisture Content of Aggregate by Drying	02/01/2001
C702	Reducing Samples of Aggregate to Testing Size	02/01/2001
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/01/2001

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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	06/02/2017

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Iron and Steel

Standard:		Accredited Since:
T244	Externally Threaded Fasteners (Bolts): Ultimate Tensile Strength	06/12/2015
A563-E18	Internally Threaded Fasteners (Nuts): Rockwell Hardness	06/02/2017
F3125	Externally Threaded Fasteners (Bolts): Rotational Capacity	12/30/2022
F436-E18	Hardened Steel Washers: Rockwell Hardness	06/02/2017
F3125-E18	Externally Threaded Fasteners (Bolts): Rockwell Hardness	06/12/2015
F3125-F606	Externally Threaded Fasteners (Bolts): Ultimate Tensile Strength	06/12/2015

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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	11/14/2013
R60	Sampling Freshly Mixed Concrete	02/01/2001
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	07/24/2018
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	07/24/2018
T22	Compressive Strength of Cylindrical Concrete Specimens	02/01/2001
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	07/24/2018
T119	Slump of Hydraulic Cement Concrete	02/01/2001
T121	Density (Unit Weight), Yield, and Air Content of Concrete	02/01/2001
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	02/01/2001
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/10/2016
T231 (6000 psi and below)	Capping Cylindrical Concrete Specimens	12/30/2024
T309	Temperature of Freshly Mixed Portland Cement Concrete	05/17/2011
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	07/24/2018
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	07/24/2018
C39	Compressive Strength of Cylindrical Concrete Specimens	02/01/2001
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	07/24/2018
C138	Density (Unit Weight), Yield, and Air Content of Concrete	02/01/2001
C143	Slump of Hydraulic Cement Concrete	02/01/2001
C172	Sampling Freshly Mixed Concrete	02/01/2001
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/10/2016
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	02/01/2001
C495	Compressive Strength of Lightweight Insulating Concrete	07/24/2018
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/14/2013

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Concrete (Continued)

Standard:		Accredited Since:
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	12/30/2024
C1064	Temperature of Freshly Mixed Portland Cement Concrete	02/01/2001
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	05/17/2011

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Masonry

Standard:		Accredited Since:
C140 (Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	05/17/2011
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/14/2013
C1019	Sampling and Testing Grout	05/17/2011
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	05/17/2011

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