



CERTIFICATE OF ACCREDITATION



Ninyo & Moore Geotechnical & Environmental Sciences Consultants

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](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 7:47 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:

Ninyo & Moore Geotechnical & Environmental Sciences Consultants
in San Diego, California, USA

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



SCOPE OF AASHTO ACCREDITATION FOR:

Ninyo & Moore Geotechnical & Environmental Sciences Consultants
in San Diego, California, USA

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



SCOPE OF AASHTO ACCREDITATION FOR:

Ninyo & Moore Geotechnical & Environmental Sciences Consultants
in San Diego, California, USA

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- μ m) 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



SCOPE OF AASHTO ACCREDITATION FOR:
Ninyo & Moore Geotechnical & Environmental Sciences Consultants
in San Diego, California, USA

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



SCOPE OF AASHTO ACCREDITATION FOR:

Ninyo & Moore Geotechnical & Environmental Sciences Consultants
in San Diego, California, USA

Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	02/01/2001
T11	Materials Finer Than 75- μ m (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- μ m (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



SCOPE OF AASHTO ACCREDITATION FOR:
Ninyo & Moore Geotechnical & Environmental Sciences Consultants
in San Diego, California, USA

Sprayed Fire-Resistive Material

Standard:

Accredited Since:

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

06/02/2017



SCOPE OF AASHTO ACCREDITATION FOR:

Ninyo & Moore Geotechnical & Environmental Sciences Consultants
in San Diego, California, USA

Iron and Steel

Standard:

Accredited Since:

M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	06/12/2015
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	06/12/2015
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	06/12/2015
M31-T285	Carbon-Steel Bars, Deformed and Plain: Bend Test	02/10/2016
T244	Externally Threaded Fasteners (Bolts): Ultimate Tensile Strength	06/12/2015
A563-E18	Internally Threaded Fasteners (Nuts): Rockwell Hardness	06/02/2017
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	06/12/2015
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	06/12/2015
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	06/12/2015
A615-E290	Carbon-Steel Bars, Deformed and Plain: Bend Test	02/10/2016
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	06/12/2015
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	06/12/2015
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	06/12/2015
A706-E290	Low Alloy Steel Bars, Deformed and Plain: Bend Test	02/10/2016
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



SCOPE OF AASHTO ACCREDITATION FOR:

Ninyo & Moore Geotechnical & Environmental Sciences Consultants
in San Diego, California, USA

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 Beam Test Specimens in the Field	07/24/2018
R100 (Cylinders)	Making and Curing Concrete Cylinder 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 (9000 psi and below)	Capping Cylindrical Concrete Specimens	09/16/2021
T309	Temperature of Freshly Mixed Portland Cement Concrete	05/17/2011
C31 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	07/24/2018
C31 (Cylinders)	Making and Curing Concrete Cylinder 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



SCOPE OF AASHTO ACCREDITATION FOR:

Ninyo & Moore Geotechnical & Environmental Sciences Consultants
in San Diego, California, USA

Concrete (Continued)

Standard:

Accredited Since:

C617 (9000 psi and below)	Capping Cylindrical Concrete Specimens	09/16/2021
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



SCOPE OF AASHTO ACCREDITATION FOR:

Ninyo & Moore Geotechnical & Environmental Sciences Consultants
in San Diego, California, USA

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