



# CERTIFICATE OF ACCREDITATION



## NASHnal Soil Testing, LLC


in

### Plainfield, Illinois, 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](http://aashtoresource.org)).

  
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Jim Tymon,  
AASHTO Executive Director

  
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Moe Jamshidi,  
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	08/17/2010
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	07/08/2019
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	02/27/2015
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	01/19/2012
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/23/2011
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/23/2011
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/23/2011
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/19/2012
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/03/2016



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## Asphalt Mixture

### Standard:

### Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	08/17/2010
T30	Mechanical Analysis of Extracted Aggregate	08/17/2010
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	08/17/2010
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	08/17/2010
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	08/17/2010
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	08/17/2010
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	01/19/2012
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	04/24/2015
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	08/17/2010
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	04/24/2015
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	08/17/2010
D2172	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	08/17/2010
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	08/17/2010
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	04/24/2015
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	08/17/2010
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	09/16/2021
D4867	Resistance of Compacted Mixtures to Moisture Induced Damage	01/19/2012
D5444	Mechanical Analysis of Extracted Aggregate	08/17/2010
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	04/24/2015
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	08/17/2010



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## Soil

### Standard:

### Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/19/2012
T88	Particle Size Analysis of Soils by Hydrometer	04/24/2015
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/19/2012
T90	Plastic Limit of Soils (Atterberg Limits)	01/19/2012
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/19/2012
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/19/2012
T208	Unconfined Compressive Strength of Cohesive Soil	04/24/2015
T215	Permeability of Granular Soils (Constant Head)	03/19/2019
T265	Laboratory Determination of Moisture Content of Soils	01/19/2012
T267	Determination of Organic Content in Soils by Loss on Ignition	01/19/2012
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/19/2012
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/19/2012
D422	Particle Size Analysis of Soils by Hydrometer	04/24/2015
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/19/2012
D1140	Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	01/19/2012
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/19/2012
D2166	Unconfined Compressive Strength of Cohesive Soil	04/24/2015
D2216	Laboratory Determination of Moisture Content of Soils	01/19/2012
D2434	Permeability of Granular Soils (Constant Head)	03/19/2019
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/19/2012
D2488	Description and Identification of Soils (Visual-Manual Procedure)	01/19/2012
D2974	Determination of Organic Content in Soils by Loss on Ignition	01/19/2012
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	01/19/2012



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## Soil (Continued)

### Standard:

### Accredited Since:

D4318 Plastic Limit of Soils (Atterberg Limits)	01/19/2012
D4972 pH Testing of Soils	01/19/2012
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	03/19/2019
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/19/2012



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## Aggregate

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	08/17/2010
R90 Sampling Aggregate	04/24/2015
T11 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	08/17/2010
T19 Bulk Density ("Unit Weight") and Voids in Aggregate	08/17/2010
T27 Sieve Analysis of Fine and Coarse Aggregates	08/17/2010
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	08/17/2010
T85 Specific Gravity and Absorption of Coarse Aggregate	08/17/2010
T255 Total Moisture Content of Aggregate by Drying	08/17/2010
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	08/17/2010
C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	08/17/2010
C127 Specific Gravity and Absorption of Coarse Aggregate	08/17/2010
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	08/17/2010
C136 Sieve Analysis of Fine and Coarse Aggregates	08/17/2010
C566 Total Moisture Content of Aggregate by Drying	08/17/2010
C702 Reducing Samples of Aggregate to Testing Size	08/17/2010
D75 Sampling Aggregate	04/24/2015



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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

01/19/2012

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

01/19/2012



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## Concrete

Standard:		Accredited Since:
C31	Making and Curing Concrete Test Specimens in the Field	08/17/2010
C39	Compressive Strength of Cylindrical Concrete Specimens	08/17/2010
C138	Density (Unit Weight), Yield, and Air Content of Concrete	08/17/2010
C143	Slump of Hydraulic Cement Concrete	08/17/2010
C172	Sampling Freshly Mixed Concrete	08/17/2010
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	08/17/2010
C192	Making and Curing Concrete Test Specimens in the Laboratory	10/29/2012
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	08/17/2010
C293	Flexural Strength of Concrete (Using Simple Beam With Center-Point Loading)	08/17/2010
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/29/2012
C1064	Temperature of Freshly Mixed Portland Cement Concrete	08/17/2010
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	10/29/2012