



CERTIFICATE OF ACCREDITATION



Verdantas, Inc.

in

Irvine, 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	01/25/2006
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	04/08/2016
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	04/08/2016
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	04/08/2016
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	05/08/2017
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	05/08/2017
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	07/28/2026
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/08/2016
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/08/2016
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/23/2025
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/28/2026
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/28/2026



SCOPE OF AASHTO ACCREDITATION FOR:

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Asphalt Mixture

Standard:

Accredited Since:

T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	07/28/2026
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/08/2017
T246	Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus	05/08/2017
T247	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	07/28/2026
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/21/2019
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	07/28/2026
T355	Density of Bituminous Concrete In Place by Nuclear Methods	07/28/2026
D1560 (Stability)	Resistance to Deformation of Bituminous Mixtures by Means of Hveem Apparatus	05/08/2017
D1561	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	07/28/2026
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/08/2017
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	07/28/2026
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	05/08/2017
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	10/21/2019



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/25/2006
T88	Particle Size Analysis of Soils by Hydrometer	01/25/2006
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/25/2006
T90	Plastic Limit of Soils (Atterberg Limits)	01/25/2006
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/25/2006
T100	Specific Gravity of Soils	01/25/2006
T134	Moisture-Density Relations of Soil-Cement Mixtures	09/18/2026
T135	Wetting-and-Drying Test of Compacted Soil-Cement Mixtures	09/18/2026
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/25/2006
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	01/25/2006
T191	Density of Soil In-Place by the Sand Cone Method	05/08/2017
T193	The California Bearing Ratio	01/25/2006
T208	Unconfined Compressive Strength of Cohesive Soil	01/25/2006
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	01/25/2006
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	01/25/2006
T265	Laboratory Determination of Moisture Content of Soils	01/25/2006
T267	Determination of Organic Content in Soils by Loss on Ignition	09/18/2026
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	01/25/2006
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	01/25/2006
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	10/21/2019
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/25/2006
D422	Particle Size Analysis of Soils by Hydrometer	01/25/2006
D558	Moisture-Density Relations of Soil-Cement Mixtures	09/18/2026



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Soil (Continued)

Standard:	Accredited Since:
D559 Wetting-and-Drying Test of Compacted Soil-Cement Mixtures	09/18/2026
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/25/2006
D854 Specific Gravity of Soils	01/25/2006
D1140 Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	01/25/2006
D1556 Density of Soil In-Place by the Sand Cone Method	05/08/2017
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/25/2006
D1633 Compressive Strength of Molded Soil-Cement Cylinders	09/18/2026
D1883 The California Bearing Ratio	01/25/2006
D2166 Unconfined Compressive Strength of Cohesive Soil	01/25/2006
D2216 Laboratory Determination of Moisture Content of Soils	01/25/2006
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	01/25/2006
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/25/2006
D2488 Description and Identification of Soils (Visual-Manual Procedure)	01/25/2006
D2844 Resistance R-Value and Expansion Pressure of Compacted Soils	01/25/2006
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	01/25/2006
D2974 Determination of Organic Content in Soils by Loss on Ignition	09/18/2026
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	10/21/2019
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	01/25/2006
D4318 Plastic Limit of Soils (Atterberg Limits)	01/25/2006
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	01/25/2006
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	01/25/2006
D4829 Expansion Index of Soils	09/18/2026
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	01/25/2006



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Soil (Continued)

Standard:

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D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

10/21/2019



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	06/22/2018
R90	Sampling Aggregate	09/18/2026
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	06/22/2018
T21	Organic Impurities in Fine Aggregates for Concrete	06/22/2018
T27	Sieve Analysis of Fine and Coarse Aggregates	06/22/2018
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	06/22/2018
T85	Specific Gravity and Absorption of Coarse Aggregate	06/22/2018
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	06/22/2018
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	01/25/2006
T112	Clay Lumps and Friable Particles in Aggregate	01/25/2006
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/25/2006
T210	Aggregate Durability Index	09/18/2026
T255	Total Moisture Content of Aggregate by Drying	06/22/2018
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	09/18/2026
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	09/18/2026
C40	Organic Impurities in Fine Aggregates for Concrete	01/25/2006
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	01/25/2006
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	01/25/2006
C127	Specific Gravity and Absorption of Coarse Aggregate	01/25/2006
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/25/2006
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	01/25/2006
C136	Sieve Analysis of Fine and Coarse Aggregates	01/25/2006
C142	Clay Lumps and Friable Particles in Aggregate	01/25/2006



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Aggregate (Continued)

Standard:

Accredited Since:

C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	01/25/2006
C566	Total Moisture Content of Aggregate by Drying	01/25/2006
C702	Reducing Samples of Aggregate to Testing Size	01/25/2006
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	09/18/2026
D75	Sampling Aggregate	09/18/2026
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/25/2006
D3744	Aggregate Durability Index	09/18/2026
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	09/18/2026
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	09/18/2026



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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

05/08/2017

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

05/08/2017



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Iron and Steel

Standard:

Accredited Since:

M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	06/22/2018
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	06/22/2018
M31-T244	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	06/22/2018
M31-T285	Carbon-Steel Bars, Deformed and Plain: Bend Test	06/22/2018
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Elongation)	10/21/2019
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Ultimate Tensile Strength)	10/21/2019
M203-T244	Steel Strand, Uncoated Seven-Wire: Tension (Yield Strength)	10/21/2019
A775	Epoxy Coated Reinforcing Bars: Coating Flexibility (Bend Test)	05/08/2017
A775	Epoxy Coated Reinforcing Bars: Film Thickness	05/08/2017
A775-G62	Epoxy Coated Reinforcing Bars: Coating Continuity (Holidays)	05/08/2017
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	04/08/2016
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	04/08/2016
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	04/08/2016
A615-E290	Carbon-Steel Bars, Deformed and Plain: Bend Test	10/23/2008
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	04/08/2016
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	04/08/2016
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	04/08/2016
A706-E290	Low Alloy Steel Bars, Deformed and Plain: Bend Test	09/05/2014
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Elongation)	12/17/2015
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Ultimate Tensile Strength)	12/17/2015
A416-A1061	Steel Strand, Uncoated Seven-Wire: Tension (Yield Strength)	12/17/2015
A706-CT670	Low Alloy Steel Bars, Deformed and Plain: Testing Mechanical and Welded Splices	05/08/2017



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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	06/22/2018
R60	Sampling Freshly Mixed Concrete	06/22/2018
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	05/05/2025
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	06/22/2018
T22	Compressive Strength of Cylindrical Concrete Specimens	06/22/2018
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/05/2025
T119	Slump of Hydraulic Cement Concrete	06/22/2018
T121	Density (Unit Weight), Yield, and Air Content of Concrete	06/22/2018
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	06/22/2018
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	06/22/2018
T231 (9000 psi and below)	Capping Cylindrical Concrete Specimens	05/05/2025
T309	Temperature of Freshly Mixed Portland Cement Concrete	06/22/2018
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	05/05/2025
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	04/08/2016
C39	Compressive Strength of Cylindrical Concrete Specimens	03/06/2006
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/05/2025
C138	Density (Unit Weight), Yield, and Air Content of Concrete	03/06/2006
C143	Slump of Hydraulic Cement Concrete	03/06/2006
C172	Sampling Freshly Mixed Concrete	03/06/2006
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	03/06/2006
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	03/06/2006
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/05/2014
C617 (9000 psi and below)	Capping Cylindrical Concrete Specimens	05/05/2025



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Concrete (Continued)

Standard:

Accredited Since:

C1064	Temperature of Freshly Mixed Portland Cement Concrete	03/06/2006
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	05/20/2011



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Masonry

Standard:

Accredited Since:

C140 (Reduced-Size Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	05/05/2025
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/23/2025
C780 (Annex 1)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Consistency by Cone Penetration	06/23/2025
C780 (Annex 6 - Cylinders)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength of Cylinders	06/23/2025
C1314 (Prisms Constructed of Reduced-Size Concrete Masonry Units)	Compressive Strength of Masonry Prisms	05/05/2025
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	04/08/2016