



CERTIFICATE OF ACCREDITATION



Florida Department of Transportation

in

Gainesville, Florida, 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).

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 08/06/2020 at 8:57 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:
Florida Department of Transportation
in Gainesville, Florida, USA

Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	02/01/1990
ISO/IEC 17025	General Requirements for the Competence of Testing and Calibration Laboratories	11/04/2002
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	04/06/2017
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
C1222 (Cement)	Evaluation of Laboratories Testing Hydraulic Cement	01/10/2011



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Asphalt Binder

Standard:

Accredited Since:

R28 Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	02/01/1990
R29 Grading or Verifying the Performance Grade of an Asphalt Binder	04/17/2020
T44 Solubility of Asphalt Materials in Trichloroethylene	02/01/1990
T48 Flash Point by Cleveland Open Cup	02/01/1990
T49 Penetration of Original Sample of Asphalt Cement	02/08/2018
T53 Softening Point of Bitumen (Ring-and-Ball Apparatus)	02/01/1990
T55 Water in Petroleum Products and Bituminous Materials by Distillation	02/01/1990
T201 Kinematic Viscosity	02/01/1990
T202 Viscosity by Vacuum Capillary	02/01/1990
T228 Specific Gravity (Relative Density) of Asphalt Cement	02/01/1990
T240 Rolling Thin-Film Oven Testing	02/01/1990
T313 Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	02/01/1990
T315 Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	02/01/1990
T316 Viscosity Determination of Asphalt Binder Using Rotational Viscometer	02/01/1990
T350 Multiple Stress Creep and Recovery (MSCR) at 64°C, 25mm plate, 1mm gap	12/30/2015



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Emulsified Asphalt

Standard:

Accredited Since:

T59 Cement Mixing	02/01/1990
T59 Demulsibility	02/01/1990
T59 Particle Charge	02/01/1990
T59 Residue by Distillation	02/01/1990
T59 Residue by Evaporation	02/01/1990
T59 Saybolt Viscosity at 25°C (77°F)	02/01/1990
T59 Saybolt Viscosity at 50°C (122°F)	02/01/1990
T59 Settlement and Storage Stability	02/01/1990
T59 Sieve Test	02/01/1990



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Asphalt Mixture

Standard:

Accredited Since:

R30 Mixture Conditioning of Hot Mix Asphalt (HMA)	12/30/2015
T30 Mechanical Analysis of Extracted Aggregate	02/01/1990
T166 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	02/01/1990
T209 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	02/01/1990
T269 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	02/01/1990
T283 Resistance of Compacted Mixtures to Moisture Induced Damage	02/01/1990
T308 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	02/01/1990
T312 Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyrotory Compactor	02/01/1990
T324 Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)	02/08/2018



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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	02/01/1990
T88	Particle Size Analysis of Soils by Hydrometer	02/01/1990
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	02/01/1990
T90	Plastic Limit of Soils (Atterberg Limits)	02/01/1990
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	02/01/1990
T100	Specific Gravity of Soils	02/01/1990
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	02/01/1990
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	02/01/1990
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	02/01/1990
T265	Laboratory Determination of Moisture Content of Soils	02/01/1990
T267	Determination of Organic Content in Soils by Loss on Ignition	09/29/2011
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	12/30/2015
T297	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	12/30/2015
D3080	Direct Shear Test of Soils Under Consolidated Drained Conditions	12/30/2015
D4767	Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	02/08/2018
FM1-T180	Moisture-Density Relations of Soils for Limerock Bearing Ratio	02/08/2018
FM5-515	Limerock Bearing Ratio	09/29/2011
FM5-550	pH of Soil and Water	04/17/2020
FM5-551	Minimum Resistivity of Soil and Water	04/17/2020
FM5-552	Chloride in Soil and Water	04/17/2020
FM5-553	Sulfate in Soil and Water	04/17/2020



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Aggregate

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	02/01/1990
T11 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	02/01/1990
T19 Bulk Density ("Unit Weight") and Voids in Aggregate	02/01/1990
T21 Organic Impurities in Fine Aggregates for Concrete	02/01/1990
T27 Sieve Analysis of Fine and Coarse Aggregates	02/01/1990
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/01/1990
T85 Specific Gravity and Absorption of Coarse Aggregate	02/01/1990
T96 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	02/01/1990
T104 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	02/01/1990
T176 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/01/1990
T255 Total Moisture Content of Aggregate by Drying	02/01/1990
T304 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	02/01/1990
C117 Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	02/08/2018
C127 Specific Gravity and Absorption of Coarse Aggregate	02/08/2018
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/08/2018
C136 Sieve Analysis of Fine and Coarse Aggregates	02/08/2018
C535 Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	02/01/1990



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Iron and Steel

Standard:	Accredited Since:
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	09/03/2019
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	09/03/2019
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	09/03/2019
M31-T285 Carbon-Steel Bars, Deformed and Plain: Bend Test	09/03/2019
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	12/30/2015
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	12/30/2015
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	12/30/2015
A615-E290 Carbon-Steel Bars, Deformed and Plain: Bend Test	06/12/2009
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	09/03/2019
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	09/03/2019
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	09/03/2019
A706-E290 Low Alloy Steel Bars, Deformed and Plain: Bend Test	04/17/2020
A416-A1061 Steel Strand, Uncoated Seven-Wire: Tension (Elongation)	12/30/2015
A416-A1061 Steel Strand, Uncoated Seven-Wire: Tension (Ultimate Tensile Strength)	12/30/2015
A416-A1061 Steel Strand, Uncoated Seven-Wire: Tension (Yield Strength)	12/30/2015



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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	08/02/2012
R39	Making and Curing Concrete Test Specimens in the Laboratory	08/02/2012
R60	Sampling Freshly Mixed Concrete	10/29/2014
T22	Compressive Strength of Cylindrical Concrete Specimens	02/01/1990
T23	Making and Curing Concrete Test Specimens in the Field	10/29/2014
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	08/02/2012
T119	Slump of Hydraulic Cement Concrete	02/01/1990
T121	Density (Unit Weight), Yield, and Air Content of Concrete	02/01/1990
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	08/02/2012
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/01/1990
T309	Temperature of Freshly Mixed Portland Cement Concrete	02/01/1990
C31	Making and Curing Concrete Test Specimens in the Field	02/01/1990
C39	Compressive Strength of Cylindrical Concrete Specimens	02/01/1990
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	02/01/1990
C138	Density (Unit Weight), Yield, and Air Content of Concrete	02/01/1990
C143	Slump of Hydraulic Cement Concrete	02/01/1990
C172	Sampling Freshly Mixed Concrete	02/01/1990
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	02/01/1990
C192	Making and Curing Concrete Test Specimens in the Laboratory	02/01/1990
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	02/01/1990
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/02/2012
C1064	Temperature of Freshly Mixed Portland Cement Concrete	02/01/1990
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	08/02/2012



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Florida Department of Transportation
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Concrete (Continued)

Standard:

Accredited Since:

C1399

Obtaining Average Residual-Strength of Fiber-Reinforced Concrete

08/02/2012



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Florida Department of Transportation
in Gainesville, Florida, USA

Cement - Physical Tests

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/02/2012
R71	Sampling and the Amount of Testing of Hydraulic Cement	08/02/2012
T105 (Loss on Ignition)	Loss on Ignition – Reference	09/03/2019
T106	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	09/01/2002
T107	Autoclave Expansion of Portland Cement	09/01/2002
T129	Normal Consistency of Hydraulic Cement	09/01/2002
T131	Time of Setting of Hydraulic Cement by Vicat Needle	09/01/2002
T153	Fineness of Hydraulic Cement by Air Permeability Apparatus	09/01/2002
T162	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/01/2002
T192	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	04/06/2017
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	08/02/2012
C114 (Loss on Ignition)	Loss on Ignition – Reference	09/03/2019
C151	Autoclave Expansion of Portland Cement	09/01/2002
C183	Sampling and the Amount of Testing of Hydraulic Cement	09/01/2002
C187	Normal Consistency of Hydraulic Cement	09/01/2002
C191	Time of Setting of Hydraulic Cement by Vicat Needle	09/01/2002
C204	Fineness of Hydraulic Cement by Air Permeability Apparatus	09/01/2002
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/01/2002
C430	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	04/06/2017
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	08/02/2012
C1437	Flow of Hydraulic Cement Mortar	09/01/2002



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Cementitious Material - Chemical Tests

Standard:	Accredited Since:
T105 Aluminum Oxide – X-Ray Fluorescence	09/01/2002
T105 Calcium Oxide – X-Ray Fluorescence	09/01/2002
T105 Carbon Dioxide – Reference	04/06/2017
T105 Ferric Oxide – X-Ray Fluorescence	09/01/2002
T105 Insoluble Residue – Reference	09/01/2002
T105 Loss on Ignition – Reference	09/01/2002
T105 Magnesium Oxide – X-Ray Fluorescence	09/01/2002
T105 Potassium Oxide – X-Ray Fluorescence	09/01/2002
T105 Silicon Dioxide – X-Ray Fluorescence	02/01/1990
T105 Sodium Oxide – X-Ray Fluorescence	09/01/2002
T105 Sulfide Sulfur – Reference	09/03/2019
T105 Sulfur Trioxide – X-Ray Fluorescence	09/01/2002
T105 Titanium Dioxide – X-Ray Fluorescence	09/03/2019
C114 Aluminum Oxide – X-Ray Fluorescence	09/01/2002
C114 Calcium Oxide – X-Ray Fluorescence	09/01/2002
C114 Carbon Dioxide – Reference	04/06/2017
C114 Ferric Oxide – X-Ray Fluorescence	09/01/2002
C114 Insoluble Residue – Reference	09/01/2002
C114 Loss on Ignition – Reference	09/01/2002
C114 Magnesium Oxide – X-Ray Fluorescence	09/01/2002
C114 Potassium Oxide – X-Ray Fluorescence	09/01/2002
C114 Silicon Dioxide – X-Ray Fluorescence	09/01/2002
C114 Sodium Oxide – X-Ray Fluorescence	09/01/2002



SCOPE OF AASHTO ACCREDITATION FOR:
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Cementitious Material - Chemical Tests (Continued)

Standard:

Accredited Since:

C114 Sulfide Sulfur – Reference	09/03/2019
C114 Sulfur Trioxide – X-Ray Fluorescence	09/01/2002
C114 Titanium Dioxide – X-Ray Fluorescence	09/03/2019



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Pozzolan

Standard:

Accredited Since:

M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/29/2014
T106	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	10/29/2014
T107	Autoclave Expansion of Portland Cement	10/29/2014
T129	Normal Consistency of Hydraulic Cement	10/29/2014
T162	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/29/2014
T192	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	10/29/2014
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	10/29/2014
C151	Autoclave Expansion of Portland Cement	10/29/2014
C187	Normal Consistency of Hydraulic Cement	10/29/2014
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	10/29/2014
C430	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	10/29/2014
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/29/2014
C1437	Flow of Hydraulic Cement Mortar	10/29/2014



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Slag Cement

Standard:

Accredited Since:

M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/03/2019
T106	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	09/03/2019
T162	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/03/2019
T192	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	09/03/2019
C109	Compressive Strength of Hydraulic Cement Mortars (Using 2-in. Cube Specimens)	09/03/2019
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	09/03/2019
C430	Fineness of Hydraulic Cement by the 45- μ m (No. 325) Sieve	09/03/2019
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/03/2019
C1437	Flow of Hydraulic Cement Mortar	09/03/2019