Certificate of Accreditation

FHWA-Eastern Federal Lands Highway Division

in

Sevierville, Tennessee, 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

This certificate was generated on 01/27/2026 at 10:35 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

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	02/01/2001
ISO/IEC 17025	General Requirements for the Competence of Testing and Calibration Laboratories	09/09/2013
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	01/01/2011
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011

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Asphalt Binder

Standard:		Accredited Since:
R28	Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	02/01/2001
R29	Grading or Verifying the Performance Grade of an Asphalt Binder	05/09/2016
T48	Flash Point by Cleveland Open Cup	02/01/2001
T49	Penetration of Original Sample of Asphalt Cement	05/23/2014
T53	Softening Point of Bitumen (Ring-and-Ball Apparatus)	05/29/2018
T228	Specific Gravity (Relative Density) of Asphalt Cement	02/01/2001
T240	Rolling Thin-Film Oven Testing	02/01/2001
T313	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	02/01/2001
T315	Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	02/01/2001
T316	Viscosity Determination of Asphalt Binder Using Rotational Viscometer	02/01/2001
T350	Multiple Stress Creep and Recovery (MSCR)	05/09/2016
D5	Penetration of Original Sample of Asphalt Cement	09/13/2016

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Emulsified Asphalt

Standard:		Accredited Since:
T59	Particle Charge	05/23/2014
T59	Residue by Evaporation	05/29/2018
T59-T72	Saybolt Furol Viscosity at 25°C (77°F)	05/23/2014
T59-T72	Saybolt Furol Viscosity at 50°C (122°F)	05/23/2014
D6997	Residue by Distillation	05/29/2018

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Asphalt Mixture

Standard:		Accredited Since:
R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	05/09/2016
R35	Superpave Volumetric Design for Hot Mix Asphalt (HMA)	05/09/2016
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	10/12/2011
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	02/01/2001
T30	Mechanical Analysis of Extracted Aggregate	02/01/2001
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	02/01/2001
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	02/01/2001
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	02/01/2001
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	02/01/2001
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	02/01/2001
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	02/01/2001
T305	Draindown Characteristics of HMA	12/10/2020
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	02/01/2001
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	02/01/2001
T324	Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)	10/29/2019
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	10/12/2011
T331	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	10/12/2011
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	12/10/2020
D5404	Recovery of Asphalt from Solution Using the Rotavapor Apparatus	05/23/2014
D7227	Rapid Drying of Compacted Asphalt Mixture Specimens Using Vacuum Drying Apparatus	12/10/2020
D8159	Automated Extraction of Asphalt Binder from Asphalt Mixtures	04/25/2024
D8225	Determination of Cracking Tolerance Index of Asphalt Mixture Using the Indirect Tensile Cracking Test at Intermediate Temperature	04/25/2024

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Soil

Standard:	Accredited Since:
R58 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	07/15/2001
T88 Particle Size Analysis of Soils by Hydrometer	07/15/2001
T89 Determining the Liquid Limit of Soils (Atterberg Limits)	07/15/2001
T90 Plastic Limit of Soils (Atterberg Limits)	07/15/2001
T99 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	07/15/2001
T100 Specific Gravity of Soils	07/15/2001
T180 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	07/15/2001
T193 The California Bearing Ratio	07/15/2001
T236 Direct Shear Test of Soils Under Consolidated Drained Conditions	04/25/2024
T265 Laboratory Determination of Moisture Content of Soils	07/15/2001
T267 Determination of Organic Content in Soils by Loss on Ignition	05/23/2014
T288 Minimum Soil Resistivity	05/23/2014
T289 pH of Soils for Corrosion Testing	05/23/2014

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	07/15/2001
R90	Sampling Aggregate	05/23/2014
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	07/15/2001
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	07/15/2001
T27	Sieve Analysis of Fine and Coarse Aggregates	07/15/2001
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/15/2001
T85	Specific Gravity and Absorption of Coarse Aggregate	07/15/2001
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	07/15/2001
T100 (Mineral Filler)	Specific Gravity of Mineral Filler on Asphalt Mixture Designs	12/10/2020
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	09/26/2022
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	07/15/2001
T255	Total Moisture Content of Aggregate by Drying	07/15/2001
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	07/15/2001
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	12/12/2019
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	07/15/2001
C127	Specific Gravity and Absorption of Coarse Aggregate	07/15/2001
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	07/15/2001
C136	Sieve Analysis of Fine and Coarse Aggregates	07/15/2001
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	05/23/2014
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	05/23/2014

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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	06/25/2014
R60	Sampling Freshly Mixed Concrete	04/20/2012
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	04/20/2012
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	04/20/2012
R115	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	01/27/2023
T22	Compressive Strength of Cylindrical Concrete Specimens	04/20/2012
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	04/20/2012
T119	Slump of Hydraulic Cement Concrete	04/20/2012
T121	Density (Unit Weight), Yield, and Air Content of Concrete	04/20/2012
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	04/20/2012
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	04/20/2012
T231 (7000 psi and below)	Capping Cylindrical Concrete Specimens	01/27/2023
T277	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	06/25/2014
T303	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	06/16/2017
T309	Temperature of Freshly Mixed Portland Cement Concrete	04/20/2012
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	04/20/2012
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	04/20/2012
C39	Compressive Strength of Cylindrical Concrete Specimens	05/09/2005
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	04/20/2012
C138	Density (Unit Weight), Yield, and Air Content of Concrete	05/09/2005
C143	Slump of Hydraulic Cement Concrete	05/09/2005
C172	Sampling Freshly Mixed Concrete	05/09/2005
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	05/09/2005

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Concrete (Continued)

Standard:		Accredited Since:
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	05/09/2005
C305	Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency	01/27/2023
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	04/20/2012
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	01/27/2023
C1064	Temperature of Freshly Mixed Portland Cement Concrete	05/09/2005
C1202	Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration	06/25/2014
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	04/20/2012
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	06/16/2017
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	06/16/2017