AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

Rutgers Asphalt Pavement Laboratory

in

Piscataway, New Jersey, 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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Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	05/22/2006
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/03/2024
D3666 (Asphalt Binder)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/14/2026
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	07/03/2024

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Asphalt Binder

Standard:		Accredited Since:
R28	Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	03/07/2011
T49	Penetration of Original Sample of Asphalt Cement	07/14/2026
T240	Rolling Thin-Film Oven Testing	03/07/2011
T313	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	03/07/2011
T316	Viscosity Determination of Asphalt Binder Using Rotational Viscometer	03/07/2011
T350	Multiple Stress Creep and Recovery (MSCR)	11/13/2018
D5	Penetration of Original Sample of Asphalt Cement	07/14/2026
D2872	Rolling Thin-Film Oven Testing	03/07/2011
D4402	Viscosity Determination of Asphalt Binder Using Rotational Viscometer	03/07/2011
D6521	Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	03/07/2011
D6648	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	03/07/2011
D7405	Multiple Stress Creep and Recovery (MSCR)	03/07/2011
D7643	Determining the Continuous Grading Temperatures and Continuous Grades for PG Graded Asphalt Binders	02/29/2016

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Emulsified Asphalt

Standard:		Accredited Since:
T59	Residue by Distillation	07/03/2024
D6997	Residue by Distillation	07/03/2024

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Asphalt Mixture

Standard:		Accredited Since:
R30	Mixture Conditioning of Hot Mix Asphalt (HMA)	02/29/2016
R35	Superpave Volumetric Design for Hot Mix Asphalt (HMA)	03/09/2016
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	09/22/2021
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	05/22/2006
R79	Rapid Drying of Compacted Asphalt Mixture Specimens Using Vacuum Drying Apparatus	07/03/2024
R121	Long Term Laboratory Conditioning of Asphalt Mixtures	07/14/2026
T30	Mechanical Analysis of Extracted Aggregate	05/22/2006
T164	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	06/17/2013
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	05/22/2006
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/22/2006
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	05/22/2006
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/22/2006
T283	Resistance of Compacted Mixtures to Moisture Induced Damage	05/22/2006
T305	Draindown Characteristics of HMA	06/17/2013
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/22/2006
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	05/22/2006
T324	Hamburg Wheel-Track Testing of Compacted Hot-Mix Asphalt (HMA)	05/22/2006
T331	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	05/22/2006
T340	Determining Rutting Susceptibility of Hot Mix Asphalt (HMA) Using the Asphalt Pavement Analyzer (APA)	07/03/2024
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	05/22/2006
D2172	Quantitative Extraction of Asphalt Binder from Hot Mix Asphalt (HMA)	06/17/2013
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	05/22/2006
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	09/22/2021

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Asphalt Mixture (Continued)

Standard:	Accredited Since:
D4867 Resistance of Compacted Mixtures to Moisture Induced Damage	05/22/2006
D5404 Recovery of Asphalt from Solution Using the Rotavapor Apparatus	06/17/2013
D5444 Mechanical Analysis of Extracted Aggregate	05/22/2006
D6307 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/22/2006
D6390 Draindown Characteristics of HMA	06/17/2013
D6752 Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	05/22/2006
D6925 Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	05/22/2006
D6926 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	05/22/2006
D6927 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	05/22/2006
D6931 Indirect Tensile Strength (IDT)	11/13/2018
D7227 Rapid Drying of Compacted Asphalt Mixture Specimens Using Vacuum Drying Apparatus	07/03/2024
D8225 Determination of Cracking Tolerance Index of Asphalt Mixture Using the Indirect Tensile Cracking Test at Intermediate Temperature	07/03/2024

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	05/22/2006
R90	Sampling Aggregate	02/29/2016
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	05/22/2006
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	11/13/2018
T27	Sieve Analysis of Fine and Coarse Aggregates	05/22/2006
T37	Sieve Analysis of Mineral Filler for Road and Paving Materials	05/22/2006
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/22/2006
T85	Specific Gravity and Absorption of Coarse Aggregate	05/22/2006
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	07/03/2024
T100 (Mineral Filler)	Specific Gravity of Mineral Filler on Asphalt Mixture Designs	02/08/2017
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/22/2006
T255	Total Moisture Content of Aggregate by Drying	05/22/2006
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/22/2006
T326	Uncompacted Void Content of Coarse Aggregate	07/14/2026
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	02/29/2016
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	11/13/2018
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	05/22/2006
C127	Specific Gravity and Absorption of Coarse Aggregate	05/22/2006
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	05/22/2006
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	07/03/2024
C136	Sieve Analysis of Fine and Coarse Aggregates	05/22/2006
C566	Total Moisture Content of Aggregate by Drying	05/22/2006
C702	Reducing Samples of Aggregate to Testing Size	05/22/2006

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Aggregate (Continued)

Standard:		Accredited Since:
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	05/22/2006
D75	Sampling Aggregate	02/29/2016
D546	Sieve Analysis of Mineral Filler for Road and Paving Materials	05/22/2006
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	05/22/2006
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	05/22/2006
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	05/22/2006

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