



# CERTIFICATE OF ACCREDITATION



## FHWA-Western Federal Lands Highway Division


in

### Vancouver, Washington, 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	12/01/1989
	ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories	07/09/2004



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## Asphalt Binder

### Standard:

### Accredited Since:

R28	Accelerated Aging of Asphalt Binder Using a Pressurized Aging Vessel	03/15/2000
T49	Penetration of Original Sample of Asphalt Cement	03/15/2000
T51	Ductility of Bituminous Materials	03/15/2000
T240	Rolling Thin-Film Oven Testing	03/15/2000
T301	Elastic Recovery Test of Bituminous Materials by Means of a Ductilometer	01/28/2011
T313	Determining the Flexural Creep Stiffness of Asphalt Binder Using the Bending Beam Rheometer (BBR)	03/15/2000
T315	Determining the Rheological Properties of Asphalt Binder Using a Dynamic Shear Rheometer (DSR)	03/15/2000
T316	Viscosity Determination of Asphalt Binder Using Rotational Viscometer	03/15/2000
T350	Multiple Stress Creep and Recovery (MSCR) at 64°C, 25mm plate, 1mm gap	06/11/2020
D7405	Multiple Stress Creep and Recovery (MSCR) at 64°C, 25mm plate, 1mm gap	01/28/2011
D7553	Solubility of Asphalt Materials in N-Propyl Bromide	03/12/2013



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## Emulsified Asphalt

**Standard:**

**Accredited Since:**

T59 Cement Mixing	04/01/2002
T59 Particle Charge	04/01/2002
T59 Residue by Distillation	04/01/2002
T59 Residue by Evaporation	06/11/2020
T59 Sieve Test	04/01/2002



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## Asphalt Mixture

### Standard:

### Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	01/28/2011
T30	Mechanical Analysis of Extracted Aggregate	12/01/1989
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	12/01/1989
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	12/01/1989
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	12/01/1989
T275	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	12/01/1989
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	12/01/1989
T312	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	12/01/1989
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	12/01/1989
T331	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	06/11/2020
D1188	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	10/16/2017
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	12/01/1989
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	12/01/1989
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	12/01/1989
D5444	Mechanical Analysis of Extracted Aggregate	12/01/1989
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	12/01/1989
D6752	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Automatic Vacuum Sealing Method	06/11/2020
D6925	Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor	12/01/1989



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## Soil

### Standard:

### Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/01/1989
R74	Wet Preparation of Disturbed Soil Samples for Test	12/01/1989
T88	Particle Size Analysis of Soils by Hydrometer	12/01/1989
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	12/01/1989
T90	Plastic Limit of Soils (Atterberg Limits)	12/01/1989
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	12/01/1989
T100	Specific Gravity of Soils	12/01/1989
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	12/01/1989
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	12/01/1989
T208	Unconfined Compressive Strength of Cohesive Soil	12/01/1989
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/11/2020
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	03/12/2013
T265	Laboratory Determination of Moisture Content of Soils	12/01/1989
T267	Determination of Organic Content in Soils by Loss on Ignition	03/12/2013
T288	Minimum Soil Resistivity	10/16/2017
T289	pH of Soils for Corrosion Testing	10/16/2017
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/01/1989
D422	Particle Size Analysis of Soils by Hydrometer	12/01/1989
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	12/01/1989
D1140	Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	12/01/1989
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	12/01/1989
D2166	Unconfined Compressive Strength of Cohesive Soil	12/01/1989
D2216	Laboratory Determination of Moisture Content of Soils	12/01/1989



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**Soil (Continued)**

<b>Standard:</b>	<b>Accredited Since:</b>
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	06/11/2020
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	12/01/1989
D2844 Resistance R-Value and Expansion Pressure of Compacted Soils	12/01/1989
D2974 Determination of Organic Content in Soils by Loss on Ignition	03/12/2013
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	12/01/1989
D4318 Plastic Limit of Soils (Atterberg Limits)	10/16/2017
D4972 pH Testing of Soils	03/12/2013
G57 Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	10/16/2017



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**Rock**

**Standard:**

**Accredited Since:**

D5731	Point Load Strength Index of Rock	06/11/2020
D7012 (without D4543 sample preparation)	Compressive Strength of Rock Core Specimens (Method C without D4543 preparation)	06/11/2020





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## Aggregate

**Standard:**

**Accredited Since:**

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	12/01/1989
T11 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	12/01/1989
T19 Bulk Density ("Unit Weight") and Voids in Aggregate	12/01/1989
T21 Organic Impurities in Fine Aggregates for Concrete	12/01/1989
T27 Sieve Analysis of Fine and Coarse Aggregates	12/01/1989
T37 Sieve Analysis of Mineral Filler for Road and Paving Materials	12/01/1989
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	12/01/1989
T85 Specific Gravity and Absorption of Coarse Aggregate	12/01/1989
T96 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	12/01/1989
T104 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	12/01/1989
T112 Clay Lumps and Friable Particles in Aggregate	12/01/1989
T176 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	12/01/1989
T210 Aggregate Durability Index	12/01/1989
T255 Total Moisture Content of Aggregate by Drying	12/01/1989
T304 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	12/01/1989
T335 Determining the Percentage of Fractured Particles in Coarse Aggregate	03/08/2016
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	12/01/1989
C40 Organic Impurities in Fine Aggregates for Concrete	12/01/1989
C88 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	12/01/1989
C117 Materials Finer Than 75- $\mu$ m (No. 200) Sieve in Mineral Aggregates by Washing	12/01/1989
C127 Specific Gravity and Absorption of Coarse Aggregate	12/01/1989
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	12/01/1989
C131 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	12/01/1989



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**Aggregate (Continued)**

<b>Standard:</b>	<b>Accredited Since:</b>
C136 Sieve Analysis of Fine and Coarse Aggregates	12/01/1989
C142 Clay Lumps and Friable Particles in Aggregate	12/01/1989
C566 Total Moisture Content of Aggregate by Drying	12/01/1989
C702 Reducing Samples of Aggregate to Testing Size	12/01/1989
C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	12/01/1989
D546 Sieve Analysis of Mineral Filler for Road and Paving Materials	12/01/1989
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	12/01/1989
D3744 Aggregate Durability Index	12/01/1989
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	12/01/1989
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	12/01/1989