



CERTIFICATE OF ACCREDITATION



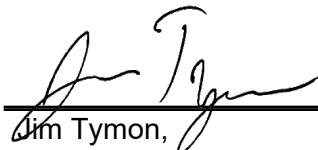
Technicon Engineering Services, Inc.

in

Fresno, 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:

Technicon Engineering Services, Inc.

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Quality Management System

Standard:

Accredited Since:

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	10/23/2003
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	02/23/2015
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	02/27/2015
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	01/10/2011
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	02/23/2015
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	02/23/2015
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/23/2015
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/23/2015
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	02/27/2015
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/29/2022
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/09/2023



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Asphalt Mixture

Standard:

Accredited Since:

R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	08/30/2017
R97	Sampling Bituminous Paving Mixtures	03/16/2023
T30	Mechanical Analysis of Extracted Aggregate	03/06/2013
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/06/2013
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/06/2013
T246	Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus	03/06/2013
T247	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	03/06/2013
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/06/2013
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	03/06/2013
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	03/06/2013
T355	Density of Bituminous Concrete In Place by Nuclear Methods	01/24/2020
D979	Sampling Bituminous Paving Mixtures	07/01/2015
D1560 (Stability)	Resistance to Deformation of Bituminous Mixtures by Means of Hveem Apparatus	03/06/2013
D1561	Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	03/06/2013
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	03/06/2013
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/06/2013
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	03/06/2013
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	03/06/2013
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	03/16/2023
D5444	Mechanical Analysis of Extracted Aggregate	03/06/2013
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	03/06/2013



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/06/2013
T88	Particle Size Analysis of Soils by Hydrometer	03/06/2013
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	03/06/2013
T90	Plastic Limit of Soils (Atterberg Limits)	03/06/2013
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/06/2013
T100	Specific Gravity of Soils	01/24/2020
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/06/2013
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	03/06/2013
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	03/06/2013
T236	Direct Shear Test of Soils Under Consolidated Drained Conditions	03/06/2013
T265	Laboratory Determination of Moisture Content of Soils	03/06/2013
T267	Determination of Organic Content in Soils by Loss on Ignition	07/01/2015
T288	Minimum Soil Resistivity	08/30/2017
T289	pH of Soils for Corrosion Testing	08/30/2017
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/06/2013
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/06/2013
D422	Particle Size Analysis of Soils by Hydrometer	03/06/2013
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/06/2013
D854	Specific Gravity of Soils	01/24/2020
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	03/06/2013
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/06/2013
D2216	Laboratory Determination of Moisture Content of Soils	03/06/2013
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	03/06/2013



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Soil (Continued)

Standard:	Accredited Since:
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	07/01/2015
D2488 Description and Identification of Soils (Visual-Manual Procedure)	07/01/2015
D2844 Resistance R-Value and Expansion Pressure of Compacted Soils	03/06/2013
D2974 Determination of Organic Content in Soils by Loss on Ignition	07/01/2015
D3080 Direct Shear Test of Soils Under Consolidated Drained Conditions	03/06/2013
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	03/06/2013
D4318 Plastic Limit of Soils (Atterberg Limits)	10/16/2014
D4718 Oversize Particle Correction	01/24/2020
D4829 Expansion Index of Soils	03/06/2013
D4972 pH Testing of Soils	09/23/2025
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/06/2013
D7263 Density and Unit Weight of Soil	09/23/2025
G57 Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method	01/24/2020



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Aggregate

Standard:

Accredited Since:

R76	Reducing Samples of Aggregate to Testing Size	03/06/2013
R90	Sampling Aggregate	03/06/2013
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	03/06/2013
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	03/06/2013
T27	Sieve Analysis of Fine and Coarse Aggregates	03/06/2013
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	03/06/2013
T85	Specific Gravity and Absorption of Coarse Aggregate	03/06/2013
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	08/30/2017
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	03/06/2013
T210	Aggregate Durability Index	03/06/2013
T255	Total Moisture Content of Aggregate by Drying	10/22/2021
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	03/06/2013
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	08/30/2017
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	03/06/2013
C127	Specific Gravity and Absorption of Coarse Aggregate	03/06/2013
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	03/06/2013
C136	Sieve Analysis of Fine and Coarse Aggregates	03/06/2013
C566	Total Moisture Content of Aggregate by Drying	10/22/2021
C702	Reducing Samples of Aggregate to Testing Size	03/06/2013
D75	Sampling Aggregate	03/06/2013
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	03/06/2013
D3744	Aggregate Durability Index	03/06/2013



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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

07/01/2015

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

07/01/2015



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Iron and Steel

Standard:

Accredited Since:

M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	09/21/2016
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	09/21/2016
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	09/21/2016
M31-T285 Carbon-Steel Bars, Deformed and Plain: Bend Test	09/21/2016
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	08/17/2016
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	08/17/2016
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	08/17/2016
A615-E290 Carbon-Steel Bars, Deformed and Plain: Bend Test	01/15/2009
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	08/17/2016
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	08/17/2016
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	08/17/2016
A706-E290 Low Alloy Steel Bars, Deformed and Plain: Bend Test	05/05/2011
F3125-E18 Externally Threaded Fasteners (Bolts): Rockwell Hardness	03/16/2023



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Concrete

Standard:

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M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	09/21/2016
R39	Making and Curing Concrete Test Specimens in the Laboratory	09/21/2016
R60	Sampling Freshly Mixed Concrete	09/21/2016
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	09/21/2016
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	09/21/2016
T22	Compressive Strength of Cylindrical Concrete Specimens	09/21/2016
T24 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	09/21/2016
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	09/21/2016
T119	Slump of Hydraulic Cement Concrete	09/21/2016
T121	Density (Unit Weight), Yield, and Air Content of Concrete	09/21/2016
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	09/21/2016
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	09/21/2016
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	09/21/2016
T231 (6000 psi and below)	Capping Cylindrical Concrete Specimens	06/03/2025
T309	Temperature of Freshly Mixed Portland Cement Concrete	09/21/2016
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	11/13/2003
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	11/13/2003
C39	Compressive Strength of Cylindrical Concrete Specimens	11/13/2003
C42 (Testing Drilled Cores of Concrete)	Testing Drilled Cores of Concrete	11/13/2003
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	11/13/2003
C138	Density (Unit Weight), Yield, and Air Content of Concrete	11/13/2003
C143	Slump of Hydraulic Cement Concrete	11/13/2003
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	11/13/2003



SCOPE OF AASHTO ACCREDITATION FOR:

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Concrete (Continued)

Standard:		Accredited Since:
C172	Sampling Freshly Mixed Concrete	11/13/2003
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	11/13/2003
C192	Making and Curing Concrete Test Specimens in the Laboratory	11/13/2003
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	11/13/2003
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/16/2014
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	06/03/2025
C1064	Temperature of Freshly Mixed Portland Cement Concrete	11/13/2003
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	05/05/2011
C1542	Measuring Length of Concrete Cores	09/21/2016



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Masonry

Standard:

Accredited Since:

C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/16/2014
C1019	Sampling and Testing Grout	06/12/2006
C1314 (Prisms Constructed of Full-Size Concrete Masonry Units)	Compressive Strength of Masonry Prisms	06/03/2025
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	06/12/2006