



CERTIFICATE OF ACCREDITATION



MTGL, Inc.

in


Anaheim, 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



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	03/04/2011
ISO/IEC 17025	General Requirements for the Competence of Testing and Calibration Laboratories	12/19/2013
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	10/20/2017
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	01/10/2011
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	01/10/2011
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	01/10/2011
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	10/20/2017
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	01/10/2011
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/13/2013
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/29/2018
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/20/2017



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Asphalt Mixture

Standard:	Accredited Since:
R47 Reducing Samples of Hot-Mix Asphalt to Testing Size	11/21/2013
R68 Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	10/23/2013
T30 Mechanical Analysis of Extracted Aggregate	10/23/2013
T166 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	10/23/2013
T168 Sampling Bituminous Paving Mixtures	10/07/2019
T209 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/30/2019
T245 Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	10/23/2013
T246 Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus	10/23/2013
T247 Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	10/23/2013
T269 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/30/2019
T275 Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	10/23/2013
T308 Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	10/23/2013
T329 Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	11/21/2013
T355 Density of Bituminous Concrete In Place by Nuclear Methods	10/07/2019
D979 Sampling Bituminous Paving Mixtures	10/07/2019
D1188 Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens	11/21/2013
D1560 (Stability) Resistance to Deformation of Bituminous Mixtures by Means of Hveem Apparatus	10/22/2003
D1561 Preparation of Test Specimens of Bituminous Mixtures by Means of California Kneading Compactor	10/22/2003
D2041 Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	09/30/2019
D2726 Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	10/22/2003
D2950 Density of Bituminous Concrete In Place by Nuclear Methods	10/07/2019
D3203 Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/30/2019
D3549 Thickness or Height of Compacted Bituminous Paving Mixture Specimens	10/07/2019



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Asphalt Mixture (Continued)

Standard:

Accredited Since:

D5444	Mechanical Analysis of Extracted Aggregate	10/22/2003
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	08/23/2012
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	10/22/2003
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	08/23/2012



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Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	10/23/2013
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	10/23/2013
T90	Plastic Limit of Soils (Atterberg Limits)	10/23/2013
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	10/23/2013
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	10/23/2013
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	10/23/2013
T191	Density of Soil In-Place by the Sand Cone Method	05/11/2017
T265	Laboratory Determination of Moisture Content of Soils	10/23/2013
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	10/23/2013
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	08/23/2012
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	08/23/2012
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	10/22/2003
D1556	Density of Soil In-Place by the Sand Cone Method	10/07/2019
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	10/22/2003
D2216	Laboratory Determination of Moisture Content of Soils	10/22/2003
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	10/07/2019
D2844	Resistance R-Value and Expansion Pressure of Compacted Soils	10/22/2003
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	10/22/2003
D4318	Plastic Limit of Soils (Atterberg Limits)	10/22/2003
D4718	Oversize Particle Correction	10/07/2019
D4829	Expansion Index of Soils	05/11/2017
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	08/23/2012



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Aggregate

Standard:

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R76	Reducing Samples of Aggregate to Testing Size	10/23/2013
R90	Sampling Aggregate	11/21/2013
T11	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	10/23/2013
T19	Bulk Density ("Unit Weight") and Voids in Aggregate	10/23/2013
T21	Organic Impurities in Fine Aggregates for Concrete	10/23/2013
T27	Sieve Analysis of Fine and Coarse Aggregates	10/23/2013
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/23/2013
T85	Specific Gravity and Absorption of Coarse Aggregate	10/23/2013
T112	Clay Lumps and Friable Particles in Aggregate	05/11/2017
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	10/23/2013
T210	Aggregate Durability Index	10/23/2013
T255	Total Moisture Content of Aggregate by Drying	10/23/2013
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	10/23/2013
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	11/21/2013
C29	Bulk Density ("Unit Weight") and Voids in Aggregate	11/21/2013
C40	Organic Impurities in Fine Aggregates for Concrete	02/15/2001
C117	Materials Finer Than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	02/15/2001
C127	Specific Gravity and Absorption of Coarse Aggregate	02/15/2001
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	02/15/2001
C136	Sieve Analysis of Fine and Coarse Aggregates	02/15/2001
C142	Clay Lumps and Friable Particles in Aggregate	05/11/2017
C566	Total Moisture Content of Aggregate by Drying	02/15/2001
C702	Reducing Samples of Aggregate to Testing Size	08/23/2012



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Aggregate (Continued)

Standard:	Accredited Since:
C1252 Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	11/21/2013
D75 Sampling Aggregate	11/21/2013
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	02/15/2001
D3744 Aggregate Durability Index	11/21/2013
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	11/21/2013
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	11/21/2013



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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

05/11/2017



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Iron and Steel

Standard:

Accredited Since:

M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	05/07/2015
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	05/07/2015
M31-T244 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	05/07/2015
M31-T285 Carbon-Steel Bars, Deformed and Plain: Bend Test	10/23/2013
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	05/07/2015
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	05/07/2015
A615-A370 Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	05/07/2015
A615-E290 Carbon-Steel Bars, Deformed and Plain: Bend Test	10/10/2008
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	05/07/2015
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	05/07/2015
A706-A370 Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	05/07/2015
A706-E290 Low Alloy Steel Bars, Deformed and Plain: Bend Test	06/13/2013
F3125 Externally Threaded Fasteners (Bolts): Rotational Capacity	11/21/2013



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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	10/23/2013
R39	Making and Curing Concrete Test Specimens in the Laboratory	06/25/2018
R60	Sampling Freshly Mixed Concrete	10/23/2013
T22	Compressive Strength of Cylindrical Concrete Specimens	10/23/2013
T23	Making and Curing Concrete Test Specimens in the Field	10/23/2013
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	06/25/2018
T119	Slump of Hydraulic Cement Concrete	10/23/2013
T121	Density (Unit Weight), Yield, and Air Content of Concrete	10/23/2013
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	10/23/2013
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	10/23/2013
T231 (7000 psi and below)	Capping Cylindrical Concrete Specimens	10/23/2013
T309	Temperature of Freshly Mixed Portland Cement Concrete	10/23/2013
C31	Making and Curing Concrete Test Specimens in the Field	03/04/2011
C39	Compressive Strength of Cylindrical Concrete Specimens	11/20/2003
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	06/25/2018
C138	Density (Unit Weight), Yield, and Air Content of Concrete	11/20/2003
C143	Slump of Hydraulic Cement Concrete	11/20/2003
C172	Sampling Freshly Mixed Concrete	11/20/2003
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	11/20/2003
C192	Making and Curing Concrete Test Specimens in the Laboratory	06/25/2018
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	11/20/2003
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/13/2013
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	02/01/2011



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Concrete (Continued)

Standard:

Accredited Since:

C1064	Temperature of Freshly Mixed Portland Cement Concrete	11/20/2003
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	02/01/2011



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Masonry

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/25/2018
T32	Brick: Absorption	05/18/2018
T32	Brick: Capping	05/18/2018
T32	Brick: Compressive Strength	05/18/2018
T32	Brick: Measurement	05/18/2018
T32	Brick: Specimen Preparation	05/18/2018
C67	Brick: Absorption	05/18/2018
C67	Brick: Capping	05/18/2018
C67	Brick: Compressive Strength	05/18/2018
C67	Brick: Measurement	05/18/2018
C67	Brick: Specimen Preparation	05/18/2018
C140 (Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	05/01/2006
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/25/2018
C1019	Sampling and Testing Grout	06/25/2018
C1314	Compressive Strength of Masonry Prisms	05/18/2018
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	05/01/2006