AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

MatriScope Engineering Laboratories, Inc.

in

Sacramento, 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:

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in Sacramento, California, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	04/13/2010
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	08/22/2012
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	06/13/2013
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	10/06/2021
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	10/20/2021
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	09/09/2014
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/13/2013
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/20/2021
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	06/13/2013
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	09/09/2014
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	08/31/2021

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Asphalt Mixture

Standard:		Accredited Since:
T275 (Cores)	Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens (Cores)	12/27/2016
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	12/18/2020
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	09/11/2018
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	04/30/2015

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Soil

Standard:	Accredited Since:
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	04/13/2010
D422 Particle Size Analysis of Soils by Hydrometer	04/13/2010
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	08/31/2021
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	04/13/2010
D1556 Density of Soil In-Place by the Sand Cone Method	12/03/2012
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	04/13/2010
D2166 Unconfined Compressive Strength of Cohesive Soil	04/13/2010
D2216 Laboratory Determination of Moisture Content of Soils	04/13/2010
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	04/13/2010
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	04/13/2010
D4318 Plastic Limit of Soils (Atterberg Limits)	04/13/2010
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	04/13/2010

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Aggregate

Standard:		Accredited Since:
C40	Organic Impurities in Fine Aggregates for Concrete	04/15/2010
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	04/15/2010
C127	Specific Gravity and Absorption of Coarse Aggregate	04/15/2010
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	04/15/2010
C136	Sieve Analysis of Fine and Coarse Aggregates	04/15/2010
C566	Total Moisture Content of Aggregate by Drying	04/15/2010
C702	Reducing Samples of Aggregate to Testing Size	04/15/2010
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	12/03/2012

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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	08/31/2021

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Iron and Steel

Standard:		Accredited Since:
A563-E18	Internally Threaded Fasteners (Nuts): Rockwell Hardness	08/31/2021
A563-F606	Internally Threaded Fasteners (Nuts): Proof Load Determination	08/31/2021
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Elongation)	02/20/2026
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	02/20/2026
A615-A370	Carbon-Steel Bars, Deformed and Plain: Tension (Yield Strength)	02/20/2026
A615-E290	Carbon-Steel Bars, Deformed and Plain: Bend Test	02/20/2026
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Elongation)	02/20/2026
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Ultimate Tensile Strength)	02/20/2026
A706-A370	Low Alloy Steel Bars, Deformed and Plain: Tension (Yield Strength)	02/20/2026
A706-E290	Low Alloy Steel Bars, Deformed and Plain: Bend Test	02/20/2026
A970-A370	Headed Steel Bars: Tension (Elongation)	02/20/2026
A970-A370	Headed Steel Bars: Tension (Ultimate Tensile Strength)	02/20/2026
A970-A370	Headed Steel Bars: Tension (Yield Strength)	02/20/2026
F436-E18	Hardened Steel Washers: Rockwell Hardness	05/05/2023
F3125-E18	Externally Threaded Fasteners (Bolts): Rockwell Hardness	08/31/2021
F3125-F606	Externally Threaded Fasteners (Bolts): Proof Load Determination	08/31/2021
F3125-F606	Externally Threaded Fasteners (Bolts): Ultimate Tensile Strength	08/31/2021

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Concrete

Standard:		Accredited Since:
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	04/15/2010
C39	Compressive Strength of Cylindrical Concrete Specimens	04/15/2010
C138	Density (Unit Weight), Yield, and Air Content of Concrete	04/15/2010
C143	Slump of Hydraulic Cement Concrete	04/15/2010
C172	Sampling Freshly Mixed Concrete	04/15/2010
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	04/15/2010
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	04/15/2010
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/13/2013
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	09/11/2018
C1064	Temperature of Freshly Mixed Portland Cement Concrete	04/15/2010
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	04/15/2010

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Masonry

Standard:		Accredited Since:
C140 (Concrete Masonry Units)	Sampling and Testing Concrete Masonry Units and Related Units	08/20/2021
C1552	Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	08/20/2021

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