AASHTO ACCREDITED

Certificate of Accreditation

American Association of State Highway and Transportation Officials

AASHTO

Cesare, Inc.

dba

CMT Technical Services (Colorado)

in

Frederick, Colorado, 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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Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	04/04/2018
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	05/23/2018
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	05/23/2018
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	02/04/2022
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	03/08/2019
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	04/10/2019
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/02/2021
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/08/2019
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	03/02/2021
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	04/10/2019

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Asphalt Mixture

Standard:		Accredited Since:
R47	Reducing Samples of Hot-Mix Asphalt to Testing Size	03/08/2019
T30	Mechanical Analysis of Extracted Aggregate	**Suspended**
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/08/2019
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	04/10/2019
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	04/10/2019
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	04/10/2019
T329	Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method	03/08/2019
T355	Density of Bituminous Concrete In Place by Nuclear Methods	03/08/2019
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	04/10/2019
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	03/08/2019
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	03/08/2019
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	04/10/2019
D5444	Mechanical Analysis of Extracted Aggregate	**Suspended**
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	03/08/2019
CP-L 5115	HMA Superpave Gyratory Compactor (Colorado)	03/08/2019

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Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/08/2019
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	03/08/2019
T90	Plastic Limit of Soils (Atterberg Limits)	03/08/2019
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/08/2019
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/08/2019
T216	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	04/10/2019
T265	Laboratory Determination of Moisture Content of Soils	03/08/2019
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/08/2019
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/08/2019
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/08/2019
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	03/08/2019
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/08/2019
D2216	Laboratory Determination of Moisture Content of Soils	03/08/2019
D2435	One-Dimensional Consolidation Properties of Soils Using Incremental Loading	04/10/2019
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	03/08/2019
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	03/08/2019
D4318	Plastic Limit of Soils (Atterberg Limits)	03/08/2019
D4546	One-Dimensional Swell or Settlement Potential of Cohesive Soils	04/10/2019
D4718	Oversize Particle Correction	03/08/2019
D6938	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/08/2019

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Aggregate

Standard:		Accredited Since:
R76	Reducing Samples of Aggregate to Testing Size	04/04/2018
R90	Sampling Aggregate	04/04/2018
T11	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	04/04/2018
T19	Bulk Density (“Unit Weight”) and Voids in Aggregate	04/04/2018
T21	Organic Impurities in Fine Aggregates for Concrete	04/04/2018
T27	Sieve Analysis of Fine and Coarse Aggregates	04/04/2018
T84	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	04/04/2018
T85	Specific Gravity and Absorption of Coarse Aggregate	04/04/2018
T96	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	04/04/2018
T104	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	04/04/2018
T112	Clay Lumps and Friable Particles in Aggregate	04/04/2018
T176	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	04/04/2018
T255	Total Moisture Content of Aggregate by Drying	04/04/2018
T304	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	12/11/2024
T335	Determining the Percentage of Fractured Particles in Coarse Aggregate	12/11/2024
C29	Bulk Density (“Unit Weight”) and Voids in Aggregate	04/04/2018
C40	Organic Impurities in Fine Aggregates for Concrete	04/04/2018
C88	Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	04/04/2018
C117	Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	04/04/2018
C127	Specific Gravity and Absorption of Coarse Aggregate	04/04/2018
C128	Specific Gravity (Relative Density) and Absorption of Fine Aggregate	04/04/2018
C131	Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	04/04/2018
C136	Sieve Analysis of Fine and Coarse Aggregates	04/04/2018

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Aggregate (Continued)

Standard:		Accredited Since:
C142	Clay Lumps and Friable Particles in Aggregate	04/04/2018
C535	Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	04/04/2018
C566	Total Moisture Content of Aggregate by Drying	04/04/2018
C702	Reducing Samples of Aggregate to Testing Size	04/04/2018
C1252	Uncompacted Void Content of Fine Aggregate (Influenced by Shape, Texture, and Grading)	12/11/2024
D75	Sampling Aggregate	04/04/2018
D2419	Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	04/04/2018
D4791	Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	12/11/2024
D5821	Determining the Percentage of Fractured Particles in Coarse Aggregate	12/11/2024

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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	05/23/2018
R39	Making and Curing Concrete Test Specimens in the Laboratory	05/23/2018
R60	Sampling Freshly Mixed Concrete	04/04/2018
R100 (Beams)	Making and Curing Concrete Test Specimens in the Field	05/23/2018
R100 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/23/2018
T22	Compressive Strength of Cylindrical Concrete Specimens	05/23/2018
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/23/2018
T119	Slump of Hydraulic Cement Concrete	04/04/2018
T121	Density (Unit Weight), Yield, and Air Content of Concrete	04/04/2018
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	04/04/2018
T198	Splitting Tensile Strength of Cylindrical Concrete Specimens	03/02/2021
T309	Temperature of Freshly Mixed Portland Cement Concrete	04/04/2018
T358	Surface Resistivity Indication of Concrete's Ability to Resist Chloride Ion Penetration	12/11/2024
C31 (Beams)	Making and Curing Concrete Test Specimens in the Field	05/23/2018
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	05/23/2018
C39	Compressive Strength of Cylindrical Concrete Specimens	05/23/2018
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	05/23/2018
C138	Density (Unit Weight), Yield, and Air Content of Concrete	04/04/2018
C143	Slump of Hydraulic Cement Concrete	04/04/2018
C172	Sampling Freshly Mixed Concrete	04/04/2018
C192	Making and Curing Concrete Test Specimens in the Laboratory	05/23/2018
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	04/04/2018
C496	Splitting Tensile Strength of Cylindrical Concrete Specimens	03/02/2021

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Concrete (Continued)

Standard:		Accredited Since:
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	05/23/2018
C1064	Temperature of Freshly Mixed Portland Cement Concrete	04/04/2018
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	04/04/2018

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