



CERTIFICATE OF ACCREDITATION



CTE, CAL, Inc.

in

North Highlands, 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).

A handwritten signature in black ink, appearing to read 'Jim Tymon', written over a horizontal line.

Jim Tymon,
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Matt Linneman', written over a horizontal line.

Matt Linneman,
AASHTO COMP Chair

This certificate was generated on 12/10/2024 at 6:41 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



SCOPE OF AASHTO ACCREDITATION FOR:

CTE, CAL, Inc.
in North Highlands, California, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	01/02/2003
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	11/15/2013
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	11/15/2013
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	11/15/2013
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	05/05/2015
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	05/05/2015
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/15/2013
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/05/2015
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/15/2013
E329 (Masonry)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	07/28/2021
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/05/2015
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	08/13/2020



SCOPE OF AASHTO ACCREDITATION FOR:

CTE, CAL, Inc.
in North Highlands, California, USA

Asphalt Mixture

Standard:

Accredited Since:

R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	07/10/2006
T30	Mechanical Analysis of Extracted Aggregate	07/10/2006
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	07/10/2006
T209	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	07/10/2006
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	07/10/2006
T269	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	07/10/2006
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	07/10/2006
D2041	Maximum Specific Gravity of Hot Mix Asphalt Paving Mixtures	07/10/2006
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	07/10/2006
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	07/10/2006
D3203	Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	07/10/2006
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	08/13/2020
D5444	Mechanical Analysis of Extracted Aggregate	07/10/2006
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	07/10/2006
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	07/10/2006
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	07/10/2006



SCOPE OF AASHTO ACCREDITATION FOR:

CTE, CAL, Inc.
in North Highlands, California, USA

Soil

Standard:

Accredited Since:

R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/02/2003
T88	Particle Size Analysis of Soils by Hydrometer	06/29/2018
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	01/02/2003
T90	Plastic Limit of Soils (Atterberg Limits)	01/02/2003
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/02/2003
T100	Specific Gravity of Soils	06/29/2018
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/02/2003
T190	Resistance R-Value and Expansion Pressure of Compacted Soils	01/02/2003
T191	Density of Soil In-Place by the Sand Cone Method	01/02/2003
T265	Laboratory Determination of Moisture Content of Soils	01/02/2003
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/02/2003
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	01/02/2003
D422	Particle Size Analysis of Soils by Hydrometer	06/29/2018
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	01/02/2003
D1140	Amount of Material in Soils Finer than the No. 200 (75- μ m) Sieve	01/02/2003
D1556	Density of Soil In-Place by the Sand Cone Method	01/02/2003
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	01/02/2003
D2216	Laboratory Determination of Moisture Content of Soils	01/02/2003
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	01/02/2003
D2488	Description and Identification of Soils (Visual-Manual Procedure)	01/02/2003
D2844	Resistance R-Value and Expansion Pressure of Compacted Soils	01/02/2003
D4318	Determining the Liquid Limit of Soils (Atterberg Limits)	01/02/2003
D4318	Plastic Limit of Soils (Atterberg Limits)	01/02/2003



SCOPE OF AASHTO ACCREDITATION FOR:
CTE, CAL, Inc.
in North Highlands, California, USA

Soil (Continued)

Standard:

Accredited Since:

D4829 Expansion Index of Soils

01/02/2003

D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

01/02/2003



SCOPE OF AASHTO ACCREDITATION FOR:
 CTE, CAL, Inc.
 in North Highlands, California, USA

Aggregate

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	11/15/2013
R90 Sampling Aggregate	06/29/2018
T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	11/15/2013
T19 Bulk Density ("Unit Weight") and Voids in Aggregate	11/15/2013
T21 Organic Impurities in Fine Aggregates for Concrete	01/02/2003
T27 Sieve Analysis of Fine and Coarse Aggregates	11/15/2013
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/02/2003
T85 Specific Gravity and Absorption of Coarse Aggregate	11/15/2013
T112 Clay Lumps and Friable Particles in Aggregate	07/28/2021
T113 Lightweight Pieces in Aggregate	07/26/2018
T176 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/02/2003
T255 Total Moisture Content of Aggregate by Drying	11/15/2013
T335 Determining the Percentage of Fractured Particles in Coarse Aggregate	07/26/2018
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	01/02/2003
C40 Organic Impurities in Fine Aggregates for Concrete	01/02/2003
C88 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate	01/02/2003
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	01/02/2003
C123 Lightweight Pieces in Aggregate	03/17/2016
C127 Specific Gravity and Absorption of Coarse Aggregate	01/02/2003
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/02/2003
C131 Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	06/02/2011
C136 Sieve Analysis of Fine and Coarse Aggregates	01/02/2003
C142 Clay Lumps and Friable Particles in Aggregate	07/28/2021



SCOPE OF AASHTO ACCREDITATION FOR:
CTE, CAL, Inc.
in North Highlands, California, USA

Aggregate (Continued)

Standard:	Accredited Since:
C535 Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	06/02/2011
C566 Total Moisture Content of Aggregate by Drying	01/02/2003
C702 Reducing Samples of Aggregate to Testing Size	01/02/2003
D75 Sampling Aggregate	06/29/2018
D2419 Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test	01/02/2003
D4791 Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate	01/29/2013
D5821 Determining the Percentage of Fractured Particles in Coarse Aggregate	01/29/2013



SCOPE OF AASHTO ACCREDITATION FOR:
CTE, CAL, Inc.
in North Highlands, California, USA

Sprayed Fire-Resistive Material

Standard:

Accredited Since:

E605 Thickness and Density of Sprayed Fire-Resistive Material(SFRM) Applied to Structural Members

06/29/2018

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

06/29/2018



SCOPE OF AASHTO ACCREDITATION FOR:
 CTE, CAL, Inc.
 in North Highlands, California, USA

Concrete

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/15/2013
R39	Making and Curing Concrete Test Specimens in the Laboratory	11/15/2013
R60	Sampling Freshly Mixed Concrete	11/15/2013
R100 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	11/15/2013
R100 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	11/15/2013
T22	Compressive Strength of Cylindrical Concrete Specimens	11/15/2013
T24	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	11/15/2013
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	11/15/2013
T119	Slump of Hydraulic Cement Concrete	11/15/2013
T121	Density (Unit Weight), Yield, and Air Content of Concrete	11/15/2013
T148	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	11/15/2013
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	11/15/2013
T160	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	11/15/2013
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	11/15/2013
T231 (6000 psi and below)	Capping Cylindrical Concrete Specimens	07/16/2018
T303	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	07/26/2018
T309	Temperature of Freshly Mixed Portland Cement Concrete	11/15/2013
C31 (Beams)	Making and Curing Concrete Beam Test Specimens in the Field	01/02/2003
C31 (Cylinders)	Making and Curing Concrete Cylinder Test Specimens in the Field	01/02/2003
C39	Compressive Strength of Cylindrical Concrete Specimens	01/02/2003
C42	Obtaining and Testing Drilled Cores and Sawed Beams of Concrete	01/02/2003
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	01/02/2003
C138	Density (Unit Weight), Yield, and Air Content of Concrete	01/02/2003



SCOPE OF AASHTO ACCREDITATION FOR:
 CTE, CAL, Inc.
 in North Highlands, California, USA

Concrete (Continued)

Standard:		Accredited Since:
C143	Slump of Hydraulic Cement Concrete	01/02/2003
C157	Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete	01/02/2003
C172	Sampling Freshly Mixed Concrete	01/02/2003
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	01/02/2003
C174	Measuring Thickness of Concrete Elements Using Drilled Concrete Cores	01/02/2003
C192	Making and Curing Concrete Test Specimens in the Laboratory	01/02/2003
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	01/02/2003
C469	Static Modulus of Elasticity and Poisson's Ratio of Concrete in Compression	11/15/2013
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/15/2013
C512	Creep of Concrete in Compression	11/15/2013
C617 (6000 psi and below)	Capping Cylindrical Concrete Specimens	07/16/2018
C1064	Temperature of Freshly Mixed Portland Cement Concrete	01/02/2003
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	06/02/2011
C1260	Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)	07/26/2018
C1567	Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method)	03/17/2016



SCOPE OF AASHTO ACCREDITATION FOR:
CTE, CAL, Inc.
in North Highlands, California, USA

Masonry

Standard:

Accredited Since:

C140 (Concrete Masonry Units) Sampling and Testing Concrete Masonry Units and Related Units	04/03/2006
C511 Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	11/15/2013
C1019 Sampling and Testing Grout	04/03/2006
C1552 Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing	04/03/2006