



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 03/10/2026 at 3:56 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 |



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Asphalt Mixture

Standard:

Accredited Since:

| | | |
|-------|---|------------|
| R97 | Sampling Bituminous Paving Mixtures | 07/16/2025 |
| 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 |
| T275 | Bulk Specific Gravity of Compacted Bituminous Mixtures Using Paraffin-Coated Specimens | 07/16/2025 |
| T308 | Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method | 07/10/2006 |
| T312 | Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor | 07/16/2025 |
| T329 | Moisture Content of Hot-Mix Asphalt (HMA) by Oven Method | 07/16/2025 |
| D979 | Sampling Bituminous Paving Mixtures | 07/16/2025 |
| 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 |
| D3665 | Random Sampling of Construction Materials | 07/16/2025 |
| 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 |
| D6925 | Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of the Superpave Gyratory Compactor | 09/17/2025 |
| 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 |



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Soil

Standard:

Accredited Since:

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|-------|---|------------|
| R58 | Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test | 01/02/2003 |
| R74 | Wet Preparation of Disturbed Soil Samples for Test | 07/16/2025 |
| 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 |
| T134 | Moisture-Density Relations of Soil-Cement Mixtures | 07/16/2025 |
| 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 |
| D558 | Moisture-Density Relations of Soil-Cement Mixtures | 07/16/2025 |
| 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 |



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Soil (Continued)

| Standard: | Accredited Since: |
|---|--------------------------|
| 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 |
| D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating | 07/16/2025 |
| D4829 Expansion Index of Soils | 01/02/2003 |
| D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter | 07/16/2025 |
| D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis | 07/16/2025 |
| D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth) | 01/02/2003 |



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Aggregate

Standard:

Accredited Since:

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|------|---|------------|
| R76 | Reducing Samples of Aggregate to Testing Size | 11/15/2013 |
| R90 | Sampling Aggregate | 06/29/2018 |
| T11 | Materials Finer Than 75- μ m (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 |
| T37 | Sieve Analysis of Mineral Filler for Road and Paving Materials | 07/16/2025 |
| T84 | Specific Gravity (Relative Density) and Absorption of Fine Aggregate | 01/02/2003 |
| T85 | Specific Gravity and Absorption of Coarse Aggregate | 11/15/2013 |
| T96 | Resistance to Abrasion of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine | 03/07/2025 |
| T104 | Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate | 03/07/2025 |
| 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- μ m (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 |



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Aggregate (Continued)

| Standard: | Accredited Since: |
|---|--------------------------|
| 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 |
| 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 |
| D546 Sieve Analysis of Mineral Filler for Road and Paving Materials | 07/16/2025 |
| 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 |



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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

06/29/2018

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

06/29/2018



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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 | 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 Test Specimens in the Field | 11/15/2013 |
| R100 (Cylinders) | Making and Curing Concrete Test Specimens in the Field | 11/15/2013 |
| R115 | Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency | 03/07/2025 |
| T22 | Compressive Strength of Cylindrical Concrete Specimens | 11/15/2013 |
| T24 (Testing Drilled Cores of Concrete) | Testing Drilled Cores 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 (10000 psi and below) | Capping Cylindrical Concrete Specimens | 03/07/2025 |
| 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 Test Specimens in the Field | 01/02/2003 |
| C31 (Cylinders) | Making and Curing Concrete Test Specimens in the Field | 01/02/2003 |
| C39 | Compressive Strength of Cylindrical Concrete Specimens | 01/02/2003 |
| C42 (Testing Drilled Cores of Concrete) | Testing Drilled Cores of Concrete | 01/02/2003 |
| C78 | Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading) | 01/02/2003 |



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Concrete (Continued)

| Standard: | | Accredited Since: |
|----------------------------|--|--------------------------|
| C138 | Density (Unit Weight), Yield, and Air Content of Concrete | 01/02/2003 |
| 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 |
| C305 | Mechanical Mixing of Hydraulic Cement Pastes and Mortars of Plastic Consistency | 03/07/2025 |
| 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 (10000 psi and below) | Capping Cylindrical Concrete Specimens | 03/07/2025 |
| 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 |
| C1542 | Measuring Length of Concrete Cores | 03/07/2025 |
| C1567 | Determining the Potential Alkali-Silica Reactivity of Combinations of Cementitious Materials and Aggregate (Accelerated Mortar-Bar Method) | 03/17/2016 |



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Controlled Low Strength Material (CLSM)

Standard:

Accredited Since:

D4832 Preparation and Testing of Controlled Low Strength Material (CLSM) Test Cylinders

03/07/2025

D5971 Sampling Freshly Mixed Controlled Low-Strength Material (CLSM)

03/07/2025



SCOPE OF AASHTO ACCREDITATION FOR:
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Masonry

Standard:

Accredited Since:

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|--|------------|
| 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 |
| C1314 Compressive Strength of Masonry Prisms | 03/07/2025 |
| C1552 Capping Concrete Masonry Units, Related Units and Masonry Prisms for Compression Testing | 04/03/2006 |