



**USACE CERTIFICATE
OF
LABORATORY VALIDATION**



Data Testing, Inc.

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Fort Smith, AR,
Dustin Cathey
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has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

**THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF
GENERATION:**

13 JUN 2025 AT 08:36 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 03/24/2027

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON
OUR PUBLIC WEBSITE: <https://mtc.erdcdren.mil>

A handwritten signature in black ink, appearing to read "Chad A. Gartrell", is positioned above a horizontal line.

Chad A. Gartrell, PE, Director
USACE Materials Testing Center
Vicksburg, Mississippi, USA

AGGREGATE

Aggregate - T 11 - AASHTO - No. 200 Wash Sieve for Mineral Aggregates
Aggregate - T 27 - AASHTO - Sieve Analysis of Aggregates
Aggregate - C 29 - Unit Weight and Voids in Aggregate
Aggregate - C 40 - Organic Impurities
Aggregate - D 75 - Sampling
Aggregate - T 84 - AASHTO - Specific Gravity and Absorption of Fine Agg
Aggregate - T 85 - AASHTO - Specific Gravity and Absorption of Course Agg
Aggregate - C 117 - Material Finer than 75 μm (No. 200) Sieve
Aggregate - C 123 - Lightweight Particles
Aggregate - C 127 - Specific Gravity & Absorption in Coarse Aggregate
Aggregate - C 128 - Specific Gravity & Absorption in Fine Aggregate
Aggregate - C 136 - Sieve Analysis of Aggregates
Aggregate - T 255 - Total Evaporable Moisture Content of Aggregate by Drying
Aggregate - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Aggregate - C 566 - Total Moisture Content
Aggregate - C 702 - Reducing Samples to Testing Size
Aggregate - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)

BITUMINOUS

Bituminous - T 30 - AASHTO - Sieve Analysis of Extracted Aggregates
Bituminous - R 47 - AASHTO R47 - Reducing Samples of HMA to Test Size
Bituminous - T 166 - AASHTO - Bulk SG Using SSD (Cores)
Bituminous - T 209 - AASHTO - Theoretical Max SG of Asphalt
Bituminous - T 275 - AASHTO - Bulk SG of Asphalt Using Paraffin-Coated Cores
Bituminous - T 329 - AASHTO - Moisture Content of Asphalt by Oven Method
Bituminous - D 979 - Sampling Bituminous Paving Mixtures
Bituminous - D 1188 - Bulk Specific Gravity & Density Using Coated Samples
Bituminous - D 2041 - Theoretical Maximum Specific Gravity & Density (Rice)
Bituminous - D 2172 - Quantitative Extraction
Bituminous - D 2726 - Bulk Specific Gravity and Density
Bituminous - D 2950 - Density of Bituminous Concrete in Place by Nuclear Methods
Bituminous - D 3666 - Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials
Bituminous - D 5361 - Sampling Compacted Asphalt Mixtures for Laboratory Testing

CEMENT

CONCRETE

Concrete - C 31 - Making and Curing Test Specimens in the Field
Concrete - C 39 - Compressive Strength of Cylindrical Specimens
Concrete - C 42 - Drilled Cores and Sawed Beams
Concrete - C 78 - Flexural Strength by Third Point Loading
Concrete - C 138 - Unit Weight and Air Content by Gravimetric
Concrete - C 143 - Slump
Concrete - C 172 - Sampling
Concrete - C 173 - Air Content by Volumetric ***required if C231 not performed***
Concrete - C 174 - Concrete Thickness by Drilled Cores
Concrete - C 192 - Making and Curing Test Specimens in Laboratory
Concrete - C 231 - Air Content by Pressure ***required if C173 not performed***
Concrete - C 470 - Molds for Forming Concrete Test Cylinders Vertically
Concrete - C 511 - Moist Cabinets, Moist Rooms, Water Storage Tanks
Concrete - C 617 - Capping Cylindrical Specimens
Concrete - C 1064 - Temperature of Concrete
Concrete - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
Concrete - C 1231 - Unbonded Caps

ROCK

Rock - D 2113 - Rock Core Drilling and Sampling of Rock for Site Exploration
Rock - D 5079 - Preserving and Transporting Rock Core Samples
Rock - D 6032 - Method for Determining Rock Quality Designation (RQD) of Rock Core

SOILS

Soils - G 57 - Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method
Soils - T 88 - Particle Size Analysis of Soils
Soils - T 99 - AASHTO - Moisture-Density Relations ---- 5.5 lb Hammer / 12-inch drop
Soils - T 100 - AASHTO - Specific Gravity of Soils
Soils - T 180 - AASHTO - Moisture-Density Relations ---- 10 lb Hammer / 18-inch drop
Soils - D 421 - Dry Preparation for Particle Size Distribution & Soil Constants
Soils - CRD-C 655 - Determining the Modulus of Soil Reaction
Soils - D 698 - Compaction Characteristics by Standard Effort
Soils - D 854 - Specific Gravity of Soils

Soils - D 1140 - Material Finer than 75 μ m (No. 200) Sieve
Soils - D 1557 - Compaction Characteristics by Modified Effort
Soils - D 1883 - CA Bearing Ratio (CBR)
Soils - D 2216 - Water Content
Soils - D 2487 - Classification of Soils
Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index
Soils - D 6938 - Density and Water Content by Shallow Depth Nuclear Method