



USACE CERTIFICATE
OF
LABORATORY VALIDATION



MT Group, LLC

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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:

30 APR 2024 AT 05:54 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 04/29/2026

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

Chad A. Gartrell, PE, Director
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Vicksburg, Mississippi, USA

AGGREGATE

Aggregate - C 29 - Unit Weight and Voids in Aggregate
Aggregate - C 40 - Organic Impurities
Aggregate - D 75 - Sampling
Aggregate - C 88 - Sulfate Soundness
Aggregate - C 117 - Material Finer than 75 μm (No. 200) Sieve
Aggregate - C 127 - Specific Gravity & Absorption in Coarse Aggregate
Aggregate - C 128 - Specific Gravity & Absorption in Fine Aggregate
Aggregate - C 131 - Los Angeles Abrasion Resistance on Small-Size Coarse Aggregate
Aggregate - C 136 - Sieve Analysis of Aggregates
Aggregate - C 142 - Clay Lumps
Aggregate - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Aggregate - C 535 - Los Angeles Abrasion Resistance on Large Size Coarse Aggregate
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)
Aggregate - D 3666 - Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials
Aggregate - D 4791 - Flat and Elongated Particles in Course Aggregate

BITUMINOUS

Bituminous - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Bituminous - D 2041 - Theoretical Maximum Specific Gravity & Density (Rice)
Bituminous - D 2726 - Bulk Specific Gravity and Density
Bituminous - D 2950 - Density of Bituminous Concrete in Place by Nuclear Methods
Bituminous - D 3203 - Percent Air Voids
Bituminous - D 3549 - Thickness or Height of Compacted Asphalt Mixture Specimens
Bituminous - D 3666 - Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials
Bituminous - D 4867 - Effect of Moisture
Bituminous - D 5444 - Mechanical Size Analysis of Extracted Aggregate

Bituminous - D 6307 - Asphalt Content of Hot-Mix Asphalt by Ignition Method
Bituminous - D 6925 - Relative Density of Asphalts by Superpave Gyrotory Compactor
Bituminous - D 6926 - Preparation of Bituminous Specimens using Marshall
Bituminous - D 6927 - Marshall Stability and Flow of Bituminous Mixtures
Bituminous - D 6931 - Indirect Tensile (IDT) Strength of Asphalt Mixtures

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 157 - Length Change of Concrete and Mortars
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 - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Concrete - C 496 - Splitting Tensile Strength
Concrete - C 511 - Moist Cabinets, Moist Rooms, Water Storage Tanks
Concrete - C 567 - Unit Mass of Structural Lightweight Concrete
Concrete - C 617 - Capping Cylindrical Specimens
Concrete - C 642 - Density, Absorption, and Voids
Concrete - C 1064 - Temperature of Concrete
Concrete - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
Concrete - C 1202 - Electrical Indication of Concrete to Resist Chloride Ion
Concrete - C 1231 - Unbonded Caps
Concrete - C 1542 - Measuring Length of Concrete Cores

MASONRY

Masonry - C 67 - Sampling and Testing Brick and Structural Clay Tile
Masonry - C 140 - Sampling and Testing Concrete Masonry and Related Units
Masonry - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Masonry - C 780 - Evaluation of Mortars for Plain and Reinforced Unit Masonry
Masonry - C 1093 - Masonry Testing Standard (Quality Standards)
Masonry - C 1314 - Compressive Strength of Masonry Prisms
Masonry - C 1552 - Capping Concrete Masonry Units and Related for Compression Testing

SOILS

Soils - G 187 - Measurement of Soil Resistivity Using the Two-Electrode Soil Box Method
Soils - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Soils - D 421 - Dry Preparation for Particle Size Distribution & Soil Constants
Soils - D 422 - Particle Size Analysis (Sieve and Hydrometer)
Soils - D 698 - Compaction Characteristics by Standard Effort
Soils - D 1140 - Material Finer than 75 μ m (No. 200) Sieve
Soils - D 1556 - Density & Unit Weight by Sand Cone
Soils - D 1557 - Compaction Characteristics by Modified Effort
Soils - D 2216 - Water Content
Soils - D 2487 - Classification of Soils
Soils - D 2488 - Description & Identification of Soils (Visual-Manual Procedure)
Soils - D 2974 - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils
Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index
Soils - D 4380 - Density of Bentonitic Slurries
Soils - D 4718 - Correction of Unit Weight and Water Content for Soils Containing Oversize Particles
Soils - D 4972 - pH of Soils
Soils - D 6913 - Particle-Size Distribution of Soils Using Sieve Analysis
Soils - D 6938 - Density and Water Content by Shallow Depth Nuclear Method
Soils - D 7928 - Fine Grain Distribution with Hydrometer

SPRAYED FIRE RESISTIVE

Sprayed Fire Resistive - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Sprayed Fire Resistive - E 605 - Thickness and Density of Sprayed Fire Resistive Material (SFRM) Applied to Structural Members
Sprayed Fire Resistive - E 736 - Cohesion Adhesion of Sprayed Fire Resistive Materials Applied to Structural Members