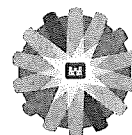




USACE CERTIFICATE
OF
LABORATORY VALIDATION



ERDC
ENGINEER RESEARCH & DEVELOPMENT CENTER

Alpha Testing, LLC

2209 Wisconsin Street, Suite 10
Dallas, TX, United States
Chad Stettner
(972) 620-8911

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:

22 FEB 2023 AT 11:56 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 08/19/2024

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
USACE Materials Testing Center
Vicksburg, Mississippi, USA

AGGREGATE

- Aggregate - C 40 - Organic Impurities
- 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 136 - Sieve Analysis of Aggregates
- 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)

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 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 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

SOILS

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 558 - Moisture-Density of Soil-Cement
Soils - D 559 - Wetting & Drying Soil-Cement
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 1883 - CA Bearing Ratio (CBR)
Soils - D 2166 - Unconfined Compressive Strength
Soils - D 2216 - Water Content
Soils - D 2435 - One-Dimensional Consolidation Properties
Soils - D 2487 - Classification of Soils
Soils - D 2488 - Description & Identification of Soils (Visual-Manual Procedure)
Soils - D 3740 - Soil and Rock Testing Standards (Quality Standard)
Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index
Soils - D 4546 - One-Dimensional Swell or Settlement Potential
Soils - D 6938 - Density and Water Content by Shallow Depth Nuclear Method

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