



USACE CERTIFICATE
OF
LABORATORY VALIDATION



Alpha Testing, Inc.
4740 Perrin Creek, Suite 480
San Antonio, TX, United States
Christopher Shipman
(210) 249-2100

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:
02 JUN 2020 AT 16:11 HOURS**

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 02/27/2021

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 - Opt - Organic Impurities
- Aggregate - C 117 - Req - Material Finer than 75 µm (No. 200) Sieve
- Aggregate - C 127 - Req - Specific Gravity & Absorption in Coarse Aggregate
- Aggregate - C 128 - Req - Specific Gravity & Absorption in Fine Aggregate
- Aggregate - C 136 - Req - Sieve Analysis of Aggregates
- Aggregate - C 566 - Opt - Total Moisture Content
- Aggregate - C 702 - Opt - Reducing Samples to Testing Size
- Aggregate - C 1077 - Opt - Concrete and Concrete Aggregate Testing Standards (Quality Standards)

CONCRETE

- Concrete - C 31 - Req - Making and Curing Test Specimens in the Field
- Concrete - C 39 - Req - Compressive Strength of Cylindrical Specimens
- Concrete - C 42 - Opt - Drilled Cores and Sawed Beams
- Concrete - C 138 - Req - Unit Weight and Air Content by Gravimetric
- Concrete - C 143 - Req - Slump
- Concrete - C 172 - Req - Sampling
- Concrete - C 173 - Req - Air Content by Volumetric ***required if C231 not performed***
- Concrete - C 231 - Req - Air Content by Pressure ***required if C173 not performed***
- Concrete - C 511 - Opt - Moist Cabinets, Moist Rooms, Water Storage Tanks
- Concrete - C 617 - Opt - Capping Cylindrical Specimens
- Concrete - C 1064 - Req - Temperature of Concrete
- Concrete - C 1077 - Opt - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
- Concrete - C 1231 - Opt - Unbonded Caps

SOILS

Soils - D 421 - Req - Dry Preparation for Particle Size Distribution & Soil Constants
Soils - D 698 - Req - Compaction Characteristics by Standard Effort
Soils - D 1140 - Req - Material Finer than 75 μ m (No. 200) Sieve
Soils - D 1557 - Req - Compaction Characteristics by Modified Effort
Soils - D 1883 - Req - CA Bearing Ratio (CBR)
Soils - D 2166 - Req - Unconfined Compressive Strength
Soils - D 2216 - Req - Water Content
Soils - D 2487 - Req - Classification of Soils
Soils - D 3740 - Opt - Soil and Rock Testing Standards (Quality Standard)
Soils - D 4318 - Req - Liquid & Plastic Limits & Plasticity Index
Soils - D 4546 - Req - One-Dimensional Swell or Settlement Potential
Soils - D 4643 - Req - Determination of Water Content of Soil by Microwave Oven
Soils - D 6938 - Req - Density and Water Content by Shallow Depth Nuclear Method