



**USACE CERTIFICATE  
OF  
LABORATORY VALIDATION**



**Geotechnics, Inc.**

**13 Industrial Park Drive, Suite 500  
Hendersonville, TN,  
Tyler Volpe  
(412) 823-7600**

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:**

**12 MAR 2026 AT 16:49 HOURS**

**ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 04/08/2027**

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 117 - Material Finer than 75  $\mu$ m (No. 200) Sieve  
Aggregate - C 127 - Specific Gravity & Absorption in Coarse Aggregate  
Aggregate - C 136 - Sieve Analysis of Aggregates

**ROCK**

Rock - D 4543 - Preparing Rock Core Specimens and Determining Tolerances  
Rock - D 7012 - Compressive Strength & Elastic Moduli of Rock Core Specimens - Method C - Uniaxial Comp. Strength

**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 422 - Particle Size Analysis (Sieve and Hydrometer)  
Soils - D 698 - Compaction Characteristics by Standard Effort  
Soils - D 854 - Specific Gravity of Soils  
Soils - D 1140 - Material Finer than 75  $\mu$ m (No. 200) Sieve  
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 2850 - Unconsolidated, Undrained Strength in Triaxial Compression  
Soils - D 3080 - Direct Shear Test in Consolidated Drained Conditions  
Soils - D 3740 - Soil and Rock Testing Standards (Quality Standard)

Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index  
Soils - D 4718 - Correction of Unit Weight and Water Content for Soils Containing Oversize Particles  
Soils - D 4767 - Consolidated-Undrained Triaxial Compression  
Soils - D 5084 - Hydraulic Conductivity using a Flexible Wall Permeameter  
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