



USACE CERTIFICATE  
OF  
LABORATORY VALIDATION



**Soil Engineering Testing, Inc.**

9530 James Ave. South  
Bloomington, MN,  
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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:**

**07 MAR 2023 AT 13:07 HOURS**

**ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 02/06/2025**

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".

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

**SOILS**

Soils - G 57 - Field Measurement of Soil Resistivity Using the Wenner Four-Electrode Method  
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 2974 - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils  
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 4546 - One-Dimensional Swell or Settlement Potential  
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 7928 - Fine Grain Distribution with Hydrometer