



**USACE CERTIFICATE  
OF  
LABORATORY VALIDATION**



**Bowser-Morner, Inc.**  
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Springfield, IL, United States  
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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:**

**23 JAN 2023 AT 08:39 HOURS**

**ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 12/01/2024**

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 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  $\mu\text{m}$  (No. 200) Sieve
- Aggregate - C 123 - Lightweight Particles
- 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 - C 535 - Los Angeles Abrasion Resistance on Large Size Coarse Aggregate
- Aggregate - C 702 - Reducing Samples to Testing Size
- Aggregate - D 4791 - Flat and Elongated Particles in Course Aggregate
- Aggregate - D 5821 - Percentage of Fractured Particles in Coarse Aggregate
- Aggregate - D 6928 - Resistance of Coarse Agg to Degradation by Abrasion in the Micro-Deval Apparatus
- Aggregate - D 7428 - Resistance of Fine Aggregate to Degradation by Abrasion in the Micro-Deval Apparatus