



**USACE CERTIFICATE
OF
LABORATORY VALIDATION**



Bowser-Morner, Inc.
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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:

04 FEB 2021 AT 07:49 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 11/05/2022

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", is written over a horizontal line.

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

AGGREGATE

Aggregate - D 75 - Opt - Sampling
Aggregate - C 88 - Opt - Sulfate Soundness
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 131 - Opt - Los Angeles Abrasion Resistance on Small-Size Coarse Aggregate
Aggregate - C 136 - Req - Sieve Analysis of Aggregates
Aggregate - C 142 - Opt - Clay Lumps
Aggregate - C 535 - Opt - Los Angeles Abrasion Resistance on Large Size Coarse Aggregate
Aggregate - C 702 - Opt - Reducing Samples to Testing Size
Aggregate - D 4791 - Opt - Flat and Elongated Particles in Course Aggregate
Aggregate - D 5821 - Opt - Percentage of Fractured Particles in Coarse Aggregate
Aggregate - D 6928 - Opt - Resistance of Coarse Agg to Degradation by Abrasion in the Micro-Deval Apparatus
Aggregate - D 7428 - Opt - Resistance of Fine Aggregate to Degradation by Abrasion in the Micro-Deval Apparatus