



USACE CERTIFICATE  
OF  
LABORATORY VALIDATION



**Concrete Research & Testing, LLC**

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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:**

**26 MAR 2020 AT 14:35 HOURS**

**ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 03/09/2022**

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 - Req - Material Finer than 75  $\mu\text{m}$  (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 295 - Opt - Petrographic Examination  
Aggregate - C 566 - Opt - Total Moisture Content  
Aggregate - C 702 - Opt - Reducing Samples to Testing Size  
Aggregate - C 1260 - Opt - Potential Alkali Reactivity of Aggregates (Mortar-Bar Method)

**CONCRETE**

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 192 - Opt - Making and Curing Test Specimens in Laboratory  
Concrete - C 231 - Req - Air Content by Pressure \*\*\*required if C173 not performed\*\*\*  
Concrete - C 457 - Opt - Air-Void System by Microscopic Determination  
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 1202 - Opt - Electrical Indication of Concrete to Resist Chloride Ion  
Concrete - C 1218 - Opt - Water-Soluble Chloride in Concrete