

USACE-Certified Laboratory Certification

Classic Material Testing Company (CMTC)

Lab ID: LCP-039

Issue date: Feb 5th, 2021

Expiry date: Nov 4th, 2021

This extension letter confirms an additional 9-months certification for the CMTC Lab, which is located on Sarak-e-Mahkama, Near the Fire Department, Kunduz, Afghanistan. This laboratory should now be considered as **USACE-Certified for a period of 9-months** from the date of this letter. This laboratory should now be considered as certified for use by the US Army Corps of Engineers Transatlantic Afghanistan District (USACE TAA) and other clients, for all tests listed in Table 1 to Table 3, as attached to this letter. This certification will be included with records that are maintained at the ABA and USACE TAA Headquarters in Bagram Airbase, Afghanistan. Retaining the certification will require yearly inspections by the ABA. This certification is also contingent upon the following conditions:

- A. Continued employment of the below individual while without his oversight, the laboratory will require recertification:
 - a. Mr. Hasamuddin Hazin the laboratory manager;
- B. If the calibration certificates of equipment expire or become invalid as per the relevant standard;
- C. If the laboratory is moved to a new location, it will require recertification; and
- D. If the laboratory fails to comply by the approved lab quality management plan, safety standards, and other criteria set forth in the most up-to-date ABA lab certification manual, the lab certification may be suspended.

For verification and good standing of this certification please check our online directory of laboratories at http://aba.af/lcp_directory.php. The inspection and certification process for CMTC adhered to procedures outlined by the Materials Testing Center (MTC), which is located at the Geotechnical and Structures Laboratory (GSL), U.S. Army Engineer Research and Development Center (ERDC) in Vicksburg, Mississippi, USA. The MTC is the USACE-authorized agency for certifying laboratories for use in quality control testing for USACE construction projects. To facilitate construction in Afghanistan, the USACE TAA has authorized the ABA to conduct laboratory certifications with strict adherence to MTC protocol. Qualifications of the authors for conducting these certifications include: 12 years of laboratory experience, 12 years of teaching classes on construction materials, and six years of teaching university-level construction classes.

Certified to perform 38 tests, as shown on attached sheets and summarized as:

Table 1: 13

Table 2: 13

Table 3: 12

Regards,



Ferdaws Khaliqi, PMP

ABA-Laboratory Certification Program Manager
(ABA-LCP)

CMTC Certified Laboratory Tests

Table 1. List of Certified Soil Tests

No	Test Method	Test Procedure Title
1	ASTM D421	Standard Practice for Dry preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants
2	ASTM D422	Standard Test Method for Particle-Size Analysis of Soils
3	ASTM D698	Standard Test Method for Compaction Characteristics by Standard Effort
4	ASTM D854	Standard Test Method for Specific Gravity of Soils by Water Pycnometer
5	ASTM D1140	Standard Test Method for Amount of Material in Soils Finer than 75 mm (No. 200) Sieve
6	ASTM D1556	Standard Test Method for Density & Unit Weight of Soils in Place by Sand-Cone Method
7	ASTM D1557	Standard Test Method for Laboratory Compaction Characteristics by Modified Effort
8	ASTM D1883	Standard Test Method for California Bearing Ratio (CBR) of Laboratory-Compacted Soils
9	ASTM D2216	Standard Test Method for Laboratory Determination of Water Content of Soil and Rock By Mass
10	ASTM D2487	Standard Practice for Classification of Soils for Engineering Purpose (Unified Soil Classification System)
11	ASTM D4318	Standard Test Method for Liquid, Plastic Limits & Plasticity Index of Soils
12	ASTM D4643	Standard Test Method for Determination of Water (Moisture) Content of Soil by Microwave Oven Heating
13	ASTM D4718	Standard Practice for Correction of Unit Weight and Water Content for Soils Containing Oversize Particles

Table 2. List of Certified Aggregate (Fine and Course) Tests

No	Test Method	Test Procedure Title
1	ASTM C29	Standard Test Method for Bulk Density (Unit Weight) and Voids in Aggregate
2	ASTM C70	Standard Test Method for Surface Moisture in Fine Aggregate
3	ASTM C117	Standard Test Method for Material Finer than 75 μm (No. 200) Sieve
4	ASTM C127	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption in Coarse Aggregate
5	ASTM C128	Standard Test Method for Density, Relative Density (Specific Gravity), and Absorption in Fine Aggregate
6	ASTM C131	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and impact in the Los Angeles Machine
7	ASTM C136	Standard Test Method for Sieve Analysis of Aggregates
8	ASTM C535	Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and impact in the Los Angeles Machine



9	ASTM C566	Standard Test Method for Total Evaporable Moisture Content of Aggregate by Drying
10	ASTM C702	Standard Practice for Reducing Samples of Aggregate to Testing Size
11	ASTM D75	Standard Practice for Sampling Aggregate
12	ASTM D4791	Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate
13	ASTM D5821	Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate

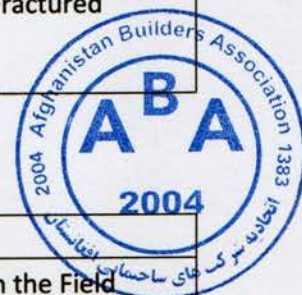


Table 3. List of Certified Cement, Mortar, Concrete, Brick & Stone Tests

No	Test Method	Test Procedure Title
1	ASTM C31	Standard Practice for Making and Curing Test Specimens in the Field
2	ASTM C39	Standard Test Method for Compressive Strength of Cylindrical Specimens
3	ASTM C138	Standard Test Method for Density (Unit Weight), Yield, and Air Content (Gravimetric) of Concrete
4	ASTM C143	Standard Test Method for Slump of Hydraulic-Cement Concrete
5	ASTM C172	Standard Practice for Sampling Freshly Mixed Concrete
6	ASTM C192	Standard Practice for Making and Curing Concrete Test Specimens in the Laboratory.
7	ASTM C617	Standard Practice for Capping Cylindrical Concrete Specimens
8	ASTM C1064	Standard Test Method for Temperature of Freshly Mixed Hydraulic-Cement Concrete
9	ASTM C1437	Standard Test Method for Flow of Hydraulic Cement Mortar
10	ASTM C231	Standard Test Method for Air Content of Freshly Mixed Concrete by Pressure Method
11	ASTM C67	Standard Test Methods for Sampling and Testing Brick
12	ASTM C97	Standard Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone