



AASHTO Accreditation Policy and Guidance on ASTM C1019, Standard Test Method for Sampling and Testing Grout

1. Introduction

- 1.1. This document defines the test methods that are required to be included in the scope of a laboratory's AASHTO Accreditation if the laboratory is to maintain accreditation for ASTM C1019.
- 1.2. This document describes the AASHTO Accreditation Program policy for acceptance of corrective actions related to nonconformities regarding alternative methods of forming the grout test specimens.
- 1.3. This document does not represent a comprehensive explanation of all requirements of C1019. The user needs to read the standard for an understanding of all requirements.

2. List of Required Tests

- 2.1. The following test methods are required for a laboratory to be accredited for C1019:
 - 2.1.1. C39
 - 2.1.2. C143
 - 2.1.3. C511
 - 2.1.4. C617
 - 2.1.5. C1064

3. Use of Alternative Methods of Forming Test Specimens

- 3.1. Specimens are to be formed using masonry units of the same type and moisture condition as those being used in the construction; however, C1019 does allow for alternative methods of specimen forming provided certain criteria are met. The AASHTO Accreditation Program will accept the use of alternative methods for C1019 accreditation if all of the following standard requirements are documented and submitted:
 - 3.1.1. Records that show that comparative testing has been performed on a minimum of 10 pairs of specimens that were formed using the masonry units and alternative method.
 - 3.1.1.1. This comparative testing is limited to a single shape, method of forming, masonry units used, and grout mix
 - 3.1.1.2. The coefficient of variation of test results of specimens formed by the alternative method is less than or equal to that of the specimens formed using the masonry units.
 - 3.1.1.3. A conversion factor is developed based on the comparative testing.
 - 3.1.2. Information pertaining to the alternative sample forming method is reported in accordance with Section 12.3 of C1019.
 - 3.1.3. Evidence that the local building code official or other governmental specifier has approved this method in writing.
- 3.2. If a laboratory is forming samples using an alternative method and the above documentation is not presented during a CCRL inspection, the inspection report will include a nonconformity.
 - 3.2.1. The laboratory will need to perform comparative testing and submit records of the testing as well as test reports which include that alternative methods are being used.
 - 3.2.2. In some instances, the laboratory may wish to discontinue the use of alternative methods for forming specimens. If that is the case, the following documentation will need to be provided to the Quality Analyst assigned to reviewing the inspection report.
 - 3.2.2.1. Records of evaluation of C1019 for all technicians who perform that test method. The evaluation will have needed to take place since the date of the inspection as technicians will need to be evaluated in forming specimens from masonry units as described in Section 5.1 of C1019.

- 3.2.2.2. A signed memo from the technical manager indicating that alternative specimen forming methods will no longer be used. This is to ensure that management is aware of the change to the laboratory's specimen forming procedure.
- 3.2.2.3. The Quality Analyst will review the submitted documents as well as the previous inspection report to verify if this is a repeat issue. If so and the previous response was also that the laboratory will no longer form specimens using alternative methods, the laboratory will need to complete the items specified in 3.2.1 of this policy.