



Designation: C 1324 – 02a₃

Standard Test Method for Examination and Analysis of Hardened Masonry Mortar¹

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1. Scope*

1.1 This test method covers procedures for petrographic examination and chemical analysis of samples of masonry mortars. Based upon such examination and analysis, proportions of components in masonry mortars can be determined.

~~NOTE 1—This test method is also applicable to hydraulic cement-based stucco and plaster. Some~~ 1—Some historic mortars may contain non-resolvable constituents that may interfere; ~~h.~~ However, significant information may be obtained by petrographic examinations.

1.2 Interpretations and calculations of chemical results are dependent upon results of the petrographic examination. The use of the chemical results alone is contrary to the requirements of this test method.

1.3 Procedures for sampling, petrographic examination, chemical analysis, and calculations of component proportions are given in the following sections:

	Section
Sampling	7
Petrographic examination	8
Chemical analysis	9
Mortar proportion calculations	10
Report	11

1.4 The values stated in SI units are to be regarded as the standard. The values given in parentheses are for information only.

1.5 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

¹ This test method is under the jurisdiction of ASTM Committee C12 on Mortars for Unit Masonry and is the direct responsibility of Subcommittee C12.02 on Research and Methods of Test.

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*A Summary of Changes section appears at the end of this standard.