



Designation: B 810 – 01a

An American National Standard

## Standard Test Method for Calibration of Atmospheric Corrosion Test Chambers by Change in Mass of Copper Coupons <sup>1</sup>

This standard is issued under the fixed designation B 810; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This test method covers the calibration of atmospheric corrosion test chambers for electrical contacts that produce an adherent film of corrosion product on copper, such as a test comprised of a mixture of flowing gases that react with copper.

1.2 This test method is not applicable to tests where corrosion products may be removed from a copper surface during the test by fluids.

1.3 This test method is not applicable to tests where airborne solid or liquid material may be deposited on a copper surface during the test, as in a test which includes particulates suspended in the atmosphere.

1.4 *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.*

1.5 The values stated in SI units are to be regarded as the standard.

### 2. Summary of Test Method

~~2.1 Copper coupon samples of a well-defined size are prepared and each is labeled~~ Referenced Documents

2.1 ASTM Standards:

~~B 845 Guide for identification. All such coupons are cleaned by a standard process. Each coupon is weighed and the value is recorded. All coupons are exposed to the corrosion test Mixed Flowing Gas MFG Tests for a specified time. The coupons are removed from the test and weighed and the new values are recorded. The change in weight for each coupon is calculated. The~~

<sup>1</sup> This test method is under the jurisdiction of ASTM Committee B02 on Nonferrous Metals and Alloys and is the direct responsibility of Subcommittee B02.11 on Electrical Contact Test Methods.

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