



Designation: ~~E2329~~—~~10~~ E2329 – 14

## Standard Practice for Identification of Seized Drugs<sup>1</sup>

This standard is issued under the fixed designation E2329; 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 ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

### 1. Scope

1.1 This practice describes minimum criteria for the qualitative analysis (identification) of seized drugs.

1.2 Listed are a number of analytical techniques for the identification of seized drugs. These techniques are grouped on the basis of their discriminating power. Analytical schemes based on these groupings are described.

1.3 Additional information is found in Guides [E1968](#), [E1969](#), and ~~E2125~~, and [E2548](#) and Practices [E2326](#), [E2327](#) and, ~~E2327~~[E2549](#), and [E2764](#).

1.4 This practice does not replace knowledge, skill, ability, experience, education or training and should be used in conjunction with professional judgment.

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:*<sup>2</sup>

[E1968](#) Guide for Microcrystal Testing in Forensic Analysis of Cocaine

[E1969](#) Guide for Microcrystal Testing in Forensic Analysis of Methamphetamine and Amphetamine

[E2125](#) Guide for Microcrystal Testing in Forensic Analysis of Phencyclidine and Its Analogues

[E2326](#) Practice for Education and Training of Seized-Drug Analysts

[E2327](#) Practice for Quality Assurance of Laboratories Performing Seized-Drug Analysis

[E2548](#) Guide for Sampling Seized Drugs for Qualitative and Quantitative Analysis

[E2549](#) Practice for Validation of Seized-Drug Analytical Methods

[E2764](#) Practice for Uncertainty Assessment in the Context of Seized-Drug Analysis

2.2 *Other Document:* <http://www.astm.org/catalog/standards/sist/7443ccdf-ebc6-4d47-afe0-060ec200827/astm-e2329-14>

~~Scientific Working Group~~ [SWGDRUG](#) Scientific Working Group for the Analysis of Seized Drugs—Recommendations for Education and Training, Quality Assurance, Methods of Analysis<sup>3</sup>

### 3. Terminology

3.1 *Definitions*—Terms that may assist in interpreting this practice are found in the [SWGDRUG glossary](#).<sup>3</sup>

### 4. Significance and Use

4.1 These are minimum requirements applicable to the identification of seized drugs.

4.1.1 As these are minimum requirements, it should be recognized that they may not be sufficient for the identification of all drugs in all circumstances. Within these requirements, it is up to the individual laboratory's management to determine which combination of analytical techniques best satisfies the requirements of its jurisdiction.

4.2 ~~It is recognized that the correct~~ Correct identification of a drug or chemical depends on the use of an analytical scheme based on validated methods (see Practice [E2549](#)) and the competence of the analyst. It is expected that in the absence of unforeseen error, an appropriate analytical scheme effectively results in no uncertainty in reported ~~identifications~~ identifications (see Practice [E2764](#)).

<sup>1</sup> This practice is under the jurisdiction of ASTM Committee [E30](#) on Forensic Sciences and is the direct responsibility of Subcommittee [E30.01](#) on Criminalistics. Current edition approved Dec. 15, 2010/Dec. 1, 2014. Published December 2010/December 2014. Originally approved in 2004. Last previous edition approved in 2009/2010 as [E2329-09](#)/[E2329-10](#). DOI: [10.1520/E2329-10](https://doi.org/10.1520/E2329-10).1520/E2329-14.

<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>3</sup> Available from the Scientific Working Group for the Analysis of Seized Drugs (SWGDRUG), <http://www.swgdrug.org>.