



Designation: E3315 – 21

Standard Specification for Certification of Metallic Materials¹

This standard is issued under the fixed designation E3315; 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 specification covers the requirements for material certifications, specifically including materials under the jurisdiction of Committee E29, as well as defining terminology related thereto.

1.2 The values stated in inch-pound units are to be regarded as standard. No other units of measurement are included in this standard.

1.3 *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, health, and environmental practices and determine the applicability of regulatory limitations prior to use.*

1.4 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 ASTM Standards:²

A478 Specification for Chromium-Nickel Stainless Steel Weaving and Knitting Wire

E1638 Terminology Relating to Sieves, Sieving Methods, and Screening Media

E2016 Specification for Industrial Woven Wire Cloth

2.2 SAE Document:³

AS9100 Quality systems — Aerospace — Model for quality assurance in design, development, production, installation, and servicing

¹ This specification is under the jurisdiction of ASTM Committee E29 on Particle and Spray Characterization and is the direct responsibility of Subcommittee E29.01 on Sieves, Sieving Methods, and Screening Media.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from SAE International (SAE), 400 Commonwealth Dr., Warrendale, PA 15096, <http://www.sae.org>.

3. Terminology

3.1 *Definitions*—For definitions of related terms, refer to Terminology **E1638**.

3.2 Definitions of Terms Specific to This Standard:

3.2.1 *as reported, v*—information based on a prior processing certification.

3.2.1.1 *Discussion*—Applicable to chemistry, mechanical, or other properties or processes.

3.2.2 *as tested, v*—information based on actual testing of the current processed material.

3.2.2.1 *Discussion*—Parameters to be tested must be specified.

3.2.3 *certificate of compliance, n*—an attestation document in accordance with **5.1.1**.

3.2.3.1 *Discussion*—Informally also known as *certificate of conformance* or *C of C*.

3.2.3.2 *Discussion*—While generally these terms are considered synonymous and used interchangeably, there is also argument that compliance is a more binding term when used in reference to an external specification (for example, wire in accordance with Specification **A478**), while conformance may be used in reference to an internal specification (for example, quality system in accordance with AS9100).

3.2.4 *country of melt origin, n*—the country where the original raw material was melted/smelted.

3.2.4.1 *Discussion*—Just the term country of origin is a vague clause subject to interpretation without qualification; see Defense Federal Acquisition Regulation Supplement (DFARS), Supplementary Requirements section.

3.2.5 *DFARS, n*—Defense Federal Acquisition Regulation Supplement.

3.2.6 *heat number, n*—traceable reference as established by the original melt mill.

3.2.6.1 *Discussion*—For some products it is common that multiple heats of material may be used in their manufacture.

3.2.7 *inspection report, n*—a document that states dimensional inspection result data.

3.2.8 *lot number, n*—traceable reference used by any processor of the material.

3.2.8.1 *Discussion*—This is also known as batch, charge,