~~Designation:B892–03~~ Designation: B892 – 09

Standard Specification for ACuZinc5[1] (Zinc-Copper-Aluminum) Alloy in Ingot Form for Die Castings[2]

This standard is issued under the fixed designation B892; 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*

~~1.1This specification covers ACuZinc5, a commercial zinc-copper-aluminum alloy (Z46540*), in ingot form for remelting for use in the production of castings.~~

~~1.2~~

1.1 This specification covers ACuZinc5, a commercial zinc-copper-aluminum alloy (Z46540),[3] in ingot form for remelting for use in the production of castings.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered 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 become familiar with all hazards including those identified in the appropriate Material Safety Data Sheet (MSDS) for this product/material as provided by the manufacturer, to establish appropriate safety and health practices, and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 The following documents of the issue in effect on date of order acceptance form a part of this specification to the extent referenced herein:

2.2 *ASTM Standards:*[4]

B899 Terminology Relating to Non-ferrous Metals and Alloys

B908 Practice for the Use of Color Codes for Zinc Casting Alloy Ingot

E29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications ~~E47Test Methods for Chemical Analysis of Zinc Die Casting Alloys~~

E88 Practice for Sampling Nonferrous Metals and Alloys in Cast Form for Determination of Chemical Composition

E527 Practice for Numbering Metals and Alloys in the Unified Numbering System (UNS)

E536 Test Methods for Chemical Analysis of Zinc and Zinc Alloys

E634 Practice for Sampling of Zinc and Zinc Alloys for Optical Emission Spectrometric Analysis

2.3 *ISO Standards:*[5]

ISO 3815-1 Zinc and zinc alloys — Part 1: Analysis of solid samples by optical emission spectrometry

ISO 3815-2 Zinc and zinc alloys — Part 2: Analysis by inductively coupled plasma optical emission spectrometry

3. Terminology

3.1 Terms shall be defined in accordance with Terminology B899.

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[1] ACuZinc and ACuZinc5 are registered trade names of the General Motors Corporation.

[2] This specification is under the jurisdiction of ASTM Committee B02 on Nonferrous Metals and Alloys and is the direct responsibility of Subcommittee B02.04 on Zinc and Cadmium.

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~~*See Table 1, footnote A DOI: 10.1520/B0892-03.~~

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~~[3] Annual Book of ASTM Standards, Vol 02.04.~~

[3] See Table 1, footnote A.

[4] 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* ~~, Vol 14.02.~~volume information, refer to the standard's Document Summary page on the ASTM website.

~~[5] Withdrawn; see *1998 Annual Book of ASTM Standards*, Vol 03.05.~~

[5] Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, http://www.ansi.org.

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