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Standard Specification for AMS (α -Methylstyrene)¹

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1. Scope

1.1 This specification covers AMS (α -Methylstyrene).

1.2 The following applies to all limits in this specification: for purposes of determining conformance with this specification, an observed value or a calculated value shall be rounded off “to the nearest unit” in the last right-hand digit used in expressing the specification limit, in accordance with the rounding-off method of Practice E29.

1.3 Consult current OSHA regulations, suppliers’ Material Safety Data Sheets, and local regulations for all materials used in this specification.

2. Referenced Documents

2.1 *ASTM Standards*:²

D1209 Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)

D2121 Test Methods for Polymer Content of Styrene Monomer and AMS (α -Methylstyrene)

D3160 Test Method for Phenol Content of Cumene (Isopropylbenzene) or AMS (α -Methylstyrene)

D3437 Practice for Sampling and Handling Liquid Cyclic Products

D4590 Test Method for Colorimetric Determination of *p*-tert-Butylcatechol In Styrene Monomer or AMS (α -Methylstyrene) by Spectrophotometry

D5386 Test Method for Color of Liquids Using Tristimulus Colorimetry

D6144 Test Method for Analysis of AMS (α -Methylstyrene) by Capillary Gas Chromatography

E29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications

2.2 *Other Documents*:

OSHA Regulations 29 CFR paragraphs 1910.1000 and 1910.1200³

3. Properties

3.1 AMS shall conform to the requirements shown in Table 1.

4. Sampling

4.1 Sample the material in accordance with Practice D3437.

5. Keywords

5.1 α -Methylstyrene; AMS; catechol; TBC; tertiary-butyl catechol

¹ This specification is under the jurisdiction of ASTM Committee D16 on Aromatic Hydrocarbons and Related Chemicals and is the direct responsibility of Subcommittee D16.07 on Styrene, Ethylbenzene and C9 and C10 Aromatic Hydrocarbons.

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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 U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, http://www.access.gpo.gov.