



Designation: **D6367—12 D6367 – 16**

Standard Specification for AMS (α -Methylstyrene)¹

This standard is issued under the fixed designation D6367; 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 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 The values stated in SI units are to be regarded as standard. No other units of measurement are included in this standard.
- 1.4 Consult current OSHA regulations, ~~suppliers’~~ Material-suppliers’ 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~~
- [D3160 Test Method for Phenol Content of Cumene \(Isopropylbenzene\) or AMS \(\$\alpha\$ -Methylstyrene\)](#)
- [D3437 Practice for Sampling and Handling Liquid Cyclic Products](#)
- [D4590 Test Method for Colorimetric Determination of *p*-*tert*-Butylcatechol In Styrene Monomer or AMS \(\$\alpha\$ -Methylstyrene\) by Spectrophotometry](#)
- [D5386 Test Method for Color of Liquids Using Tristimulus Colorimetry](#)
- [D6144 Test Method for Analysis of AMS \(\$\alpha\$ -Methylstyrene\) by Capillary Gas Chromatography](#)
- [D7977 Test Methods for Polymer Content of AMS \(\$\alpha\$ -Methylstyrene\)](#)
- [D8005 Test Method for Color of Clear Liquids \(Platinum-Cobalt Scale\)](#)
- [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](#).

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