



Standard Specification for Maleic Anhydride¹

This standard is issued under the fixed designation D 3504; 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.

^{ε1} NOTE—Editorial changes were made to Sections 1 and 5.

1. Scope

1.1 This specification covers maleic anhydride.

1.2 The following applies to all specified 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 E 29.

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

2. Referenced Documents

2.1 ASTM Standards:

D 1493 Test Method for Solidification Point of Industrial Organic Chemicals²

D 3366 Test Method for Color of Maleic Anhydride and Phthalic Anhydride in the Molten State and After Heating (Platinum-Cobalt Scale)²

D 3438 Practice for Sampling and Handling Naphthalene,

Maleic Anhydride, and Phthalic Anhydride²
E 29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications³

2.2 Other Document:

OSHA Regulations, 29 CFR, paragraphs 1910.1000 and 1910.1200⁴

3. Properties

3.1 Maleic anhydride shall conform to the following requirements:

Property	Specification	ASTM Test Method
Solidification point, min, °C	52.5	D 1493
Molten color, max	25	D 3366
Molten color after heating, max	40	D 3366

4. Sampling

4.1 This material shall be sampled in accordance with Practice D 3438.

5. Keywords

5.1 maleic anhydride; platinum-cobalt color; solidification point

¹ This specification is under the jurisdiction of ASTM Committee D16 on Aromatic Hydrocarbons and Related Chemicals and is the direct responsibility of Subcommittee D16.02 on Oxygenated Aromatics.

Current edition approved Feb. 10, 2003. Published March 2003. Originally approved in 1976. Last previous edition approved in 1996 as D 3504 – 96.

² Annual Book of ASTM Standards, Vol 06.04.

³ Annual Book of ASTM Standards, Vol 14.02.

⁴ Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401.

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