



## Standard Specification for Maleic Anhydride<sup>1</sup>

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<sup>ε1</sup> 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 Chemicals<sup>2</sup>

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

D 3438 Practice for Sampling and Handling Naphthalene,

Maleic Anhydride, and Phthalic Anhydride<sup>2</sup>  
E 29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications<sup>3</sup>

#### 2.2 Other Document:

OSHA Regulations, 29 CFR, paragraphs 1910.1000 and 1910.1200<sup>4</sup>

### 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

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<sup>2</sup> Annual Book of ASTM Standards, Vol 06.04.

<sup>3</sup> Annual Book of ASTM Standards, Vol 14.02.

<sup>4</sup> 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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