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Standard Specification for Refined Phthalic Anhydride-1308¹

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^{ε1} NOTE—Section 1 was changed editorially in January 2003.

1. Scope

1.1 This specification covers refined phthalic anhydride-1308.

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, supplier’s Material Safety Data Sheets, and local regulations regarding all material 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 Phthalic anhydride shall conform to the following requirements:

Property	Specification	Test Method
Solidification point, min, °C	130.8	D 1493
Molten color, max	30	D 3366
Molten color after heating, max	100	D 3366

4. Sampling

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

5. Keywords

5.1 color; phthalic anhydride; 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.

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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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