



Designation: D 2403 – 96

Standard Specification for Refined Phthalic Anhydride-1308¹

This standard is issued under the fixed designation D 2403; 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 refined phthalic anhydride-1308.

1.2 Consult current OSHA regulations, supplier's Material Safety Data Sheets, and local regulations regarding all material used in this specification.

1.3 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.

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 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.

Current edition approved Jan. 10, 1996. Published March 1996. Originally issued as D 2403 – 65 T. Last previous edition D 2403 – 91.

² Annual Book of ASTM Standards, Vol 06.04.

³ Annual Book of ASTM Standards, Vol 14.02.

⁴ Available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

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