



Designation: **D841 – 11** **D841 – 12**

Standard Specification for Nitration Grade Toluene¹

This standard is issued under the fixed designation D841; 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 reappraisal. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reappraisal.

1. Scope*

1.1 This specification covers nitration grade toluene.

1.2 The following applies to all specified limits in this standard: for purposes of determining conformance with this standard, 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 Consult OSHA regulations, supplier’s Material Safety Data Sheets, and local regulations for all materials used in this specification.

2. Referenced Documents

2.1 *ASTM Standards:*²

[D848 Test Method for Acid Wash Color of Industrial Aromatic Hydrocarbons](#)

[D849 Test Method for Copper Strip Corrosion by Industrial Aromatic Hydrocarbons](#)

[D850 Test Method for Distillation of Industrial Aromatic Hydrocarbons and Related Materials](#)

[D1209 Test Method for Color of Clear Liquids \(Platinum-Cobalt Scale\)](#)

[D2360 Test Method for Trace Impurities in Monocyclic Aromatic Hydrocarbons by Gas Chromatography](#)

[D3437 Practice for Sampling and Handling Liquid Cyclic Products](#)

[D5386 Test Method for Color of Liquids Using Tristimulus Colorimetry](#)

[D7504 Test Method for Trace Impurities in Monocyclic Aromatic Hydrocarbons by Gas Chromatography and Effective Carbon Number](#)

[E29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications](#)

2.2 *Federal Specification:*³

[PPP-C-2020 Packaging of Chemicals, Liquid, Dry, and Paste](#)

2.3 *Other Document:*

[OSHA Regulations, 29 CFR paragraphs 1910.1000 and 1910.1200](#)⁴

¹ This specification is under the jurisdiction of ASTM Committee [D16](#) on Aromatic Hydrocarbons and Related Chemicals and is the direct responsibility of Subcommittee [D16.01](#) on Benzene, Toluene, Xylenes, Cyclohexane and Their Derivatives.

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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 Standardization Documents Order Desk, DODSSP, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, [http://www.dodssp.daps.mil](#).

⁴ 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