



Designation: ~~D841-97~~ Designation: D 841 – 02 (Reapproved 2008)<sup>ε1</sup>

## Standard Specification for Nitration Grade Toluene<sup>1</sup>

This standard is issued under the fixed designation D 841; 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.

---

---

<sup>ε1</sup> NOTE—Footnote A was added to the table in 3.1 in January 2008.

---

---

### 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 E 29.

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:~~

~~D848 Test Method for Acid Wash Color of Industrial Aromatic Hydrocarbons~~ ASTM Standards:<sup>2</sup>

~~D849 Test Method for Copper Strip Corrosion of Industrial Aromatic Hydrocarbons~~<sup>2</sup>

~~D850 Test Method for Distillation of Industrial Aromatic Hydrocarbons and Related Materials~~<sup>2</sup>

~~D1209 Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)~~<sup>2</sup>

~~D2360 Test Method for Trace Impurities in Monocyclic Aromatic Hydrocarbons by Gas Chromatography~~<sup>2</sup>

~~D 848 Test Method for Acid Wash Color of Industrial Aromatic Hydrocarbons~~

~~D 849 Test Method for Copper Strip Corrosion by Industrial Aromatic Hydrocarbons~~

~~D 850 Test Method for Distillation of Industrial Aromatic Hydrocarbons and Related Materials~~

~~D 1209 Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)~~

~~D 2360 Test Method for Trace Impurities in Monocyclic Aromatic Hydrocarbons by Gas Chromatography~~

~~D 3437 Practice for Sampling and Handling Liquid Cyclic Products~~<sup>2</sup>

~~D3505 Test Method for Density or Relative Density of Pure Liquid Chemicals~~<sup>2</sup>

~~D4052 Test Method for Density and Relative Density of Liquids by Digital Density Meter~~

~~D5386 Test Methods for Color of Liquids Using Tristimulus Colorimetry~~<sup>2</sup>

~~Practice for Sampling and Handling Liquid Cyclic Products~~

~~D 5386 Test Method for Color of Liquids Using Tristimulus Colorimetry~~

~~E 29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications~~

#### 2.2 ~~Federal Specification:~~<sup>3</sup>

~~PPP-C-2020 Packaging of Chemicals, Liquid, Dry, and Paste~~

#### 2.3 ~~Other Document:~~

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

---

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee D-16 on Aromatic Hydrocarbons and Related Chemicals and is the direct responsibility of Subcommittee D16.0A on BTX, Cyclohexane, and Their Derivatives.

Current edition approved Dec. 10, 1997. Published August 1998. Originally published as D841-45T. Previous edition D841-95.

<sup>2</sup> 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.

Current edition approved Jan. 1, 2008. Published January 2008. Originally approved in 1945. Last previous edition approved in 2002 as D 841 – 02.

<sup>3</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards*, Vol 06.04, volume information, refer to the standard’s Document Summary page on the ASTM website.

<sup>4</sup> Annual Book of ASTM Standards, Vol 05.02.

<sup>5</sup> Available from Standardization Documents Order Desk, DODSSP, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, <http://www.dodssp.daps.mil>.

<sup>6</sup> Annual Book of ASTM Standards, Vol 14.02.

<sup>7</sup> 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.