



Designation: ~~D5606~~—~~16~~ **D5606** – 17

Standard Specification for Toluene for Toluene Diisocyanate (TDI) Feedstock¹

This standard is issued under the fixed designation D5606; 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*Scope

1.1 This specification covers toluene for toluene diisocyanate (TDI) feedstock.

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 [E29](#).

1.3 Consult OSHA regulations and supplier's Safety Data Sheets for all materials used in this specification.

1.4 The values stated in SI units are to be regarded as standard. The values given in parentheses are for information only.

1.5 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

2. Referenced Documents

2.1 *ASTM Standards:*²

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

[D2360](#) Test Method for Trace Impurities in Monocyclic Aromatic Hydrocarbons by Gas Chromatography (Withdrawn 2016)³

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

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

[D6526](#) Test Method for Analysis of Toluene by Capillary Column Gas Chromatography

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

[D8005](#) Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)

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

[E2680](#) Test Method for Appearance of Clear, Transparent Liquids (Visual Inspection Procedure) [D1915/astm-d5606-17](#)

2.2 *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~~ Aromatic, Industrial, Specialty 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 The last approved version of this historical standard is referenced on www.astm.org.

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