## ASTM Volume 06.04, March 2025

D7883-20 Standard Test Method for Determination of 4-Carboxybenzaldehyde and p-Toluic Acid in Purified Terephthalic Acid by Weak Anion Exchange High Performance Liquid Chromatography

E2409-20a Standard Test Method for Glycol Impurities in Mono-, Di-, Tri- and Tetraethylene Glycol and in Mono- and Dipropylene Glycol(Gas Chromatographic Method)

D7882-20 Standard Test Method for Determination of 4-Carboxybenzaldehyde and p-Toluic Acid in Purified Terephthalic Acid by Capillary Electrophoresis with Normal Voltage Mode

D8032-20 Standard Test Method for Acid Number of Terephthalic Acid by Color-Indicator Titration

D8266-19 Standard Test Method for Analysis of Bisphenol A (4,4`- Isopropylidenediphenol) by High Performance Liquid Chromatography

E534-18 Standard Test Methods for Chemical Analysis of Sodium Chloride

D3160-20a Standard Test Method for Phenol Content of Cumene (Isopropylbenzene) or AMS (α–Methylstyrene)

D5135-21 Standard Test Method for Analysis of Styrene by Capillary Gas Chromatography

D8301-21 Standard Test Method for Determination of the Content of Nitroxide Radical (4-Hydroxy-2,2,6,6-tetramethylpiperidine-1-oxyl) in Butadiene, Styrene and Isoprene by Cyclic Voltammetry Method

E1229-21 Standard Specification for Calcium Hypochlorite

D330-07(2021) Standard Specification for 2-Butoxyethanol

D5137-07(2021) Standard Specification for Hexyl Acetate

D1133-13(2021) Standard Test Method for Kauri-Butanol Value of Hydrocarbon Solvents

D1836-07(2021) Standard Specification for Commercial Hexanes

D1353-13(2021) Standard Test Method for Nonvolatile Matter in Volatile Solvents for Use in Paint, Varnish, Lacquer, and Related Products

D2634-07(2021) Standard Specification for Methyl Amyl Acetate (95 % Grade)

D2190-07(2021) Standard Specification for Vinyl Acetate

D3131-07(2021) Standard Specification for Isopropyl Acetate (99 % Grade)

D329-07(2021) Standard Specification for Acetone

D2917-07(2021) Standard Specification for Methyl Isoamyl Ketone

D3128-07(2021) Standard Specification for 2-Methoxyethanol

E1120-21 Standard Specification for Liquid Chlorine

D1555-21 Standard Test Method for Calculation of Volume and Weight of Industrial Aromatic Hydrocarbons and Cyclohexane

E291-18 Standard Test Methods for Chemical Analysis of Caustic Soda and Caustic Potash (Sodium Hydroxide and Potassium Hydroxide)

D1686-19 Standard Test Method for Color of Solid Aromatic Hydrocarbons and Related Materials in the Molten State (Platinum-Cobalt Scale)

D8063-18 Standard Test Method for Water in Purified Terephthalic Acid (PTA) by Volumetric Karl Fischer Titration

D8087-18 Standard Test Method for Color of Maleic Anhydride in the Molten State and After Heating (Platinum-Cobalt Scale) Using Tristimulus Colorimetry

D6229-06(2018) Standard Test Method for Trace Benzene in Hydrocarbon Solvents by Capillary Gas Chromatography

D3734-05(2018) Standard Specification for High-Flash Aromatic Naphthas

D7090-04(2018) Standard Test Method for Purity of Isophorone by Capillary Gas Chromatography

D850-21 Standard Test Method for Distillation of Industrial Aromatic Hydrocarbons and Related Materials

D770-11(2019) Standard Specification for Isopropyl Alcohol-

E299-17a Standard Test Method for Trace Amounts of Peroxides In Organic Solvents

D1078-11(2019) Standard Test Method for Distillation Range of Volatile Organic Liquids

E298-17a Standard Test Methods for Assay of Organic Peroxides

E359-17 Standard Test Methods for Analysis of Soda Ash (Sodium Carbonate)

E475-16 Standard Test Method for Assay of Di-tert-Butyl Peroxide Using Gas Chromatography

E1754-17a Standard Test Method for Determination of Low Levels of Water in Liquid Chlorine By Infrared Spectrophotometry

D3366-18 Standard Test Method for Color of Maleic Anhydride in the Molten State and After Heating (Platinum-Cobalt Scale)

D331-11(2019) Standard Specification for 2-Ethoxyethanol-

D304-11(2019) Standard Specification for n-Butyl Alcohol (Butanol)

D740-11(2019) Standard Specification for Methyl Ethyl Ketone

D608-05(2019) Standard Specification for Dibutyl Phthalate

D1007-11(2019) Standard Specification for sec-Butyl Alcohol-

D1719-11(2019) Standard Specification for Isobutyl Alcohol-

D3130-11(2019) Standard Specification for n-Propyl Acetate (96 % Grade)

D3546-05(2019) Standard Test Method for Formic Acid in Glacial Acetic Acid

D4614-11(2019) Standard Specification for Ethyl Acetate (All Grades)

D4360-11(2019) Standard Specification for Methyl n-Amyl Ketone

D3622-11(2019) Standard Specification for 1-Propanol (n-Propyl Alcohol)

D5164-05(2019) Standard Specification for Propylene Glycol and Dipropylene Glycol

D2380-04(2019) Standard Test Method for Methanol Content of Formaldehyde Solutions

D2694-05(2019) Standard Specification for Diethylene Glycol-

D2827-19 Standard Specification for Styrene Monomer

E1787-16 Standard Test Method for Anions in Caustic Soda and Caustic Potash (Sodium Hydroxide and Potassium Hydroxide) by Ion Chromatography

D7976-14(2020) Standard Specification for Purified Terephthalic Acid (PTA)

D2439-20 Standard Specification for Refined Phenol

D8311-20 Standard Test Method for Impurities in Monoethylene Glycol by Gas Chromatography with Normalization

D4493-20 Standard Test Method for Solidification Point of Bisphenol A(4,4'-Isopropylidenediphenol)

D5060-12(2021)e1 Standard Test Method for Determining Impurities in High-Purity Ethylbenzene by Gas Chromatography

D7881-20e1 Standard Test Method for Determination of 4-Carboxybenzaldehyde and p-Toluic Acid in Purified Terephthalic Acid by Capillary Electrophoresis with Reverse Voltage Mode D4789-20e1 Standard Test Method for Solution Color of Bisphenol A (4,4'-Isopropylidenediphenol)

D5776-21 Standard Test Method for Bromine Index of Aromatic Hydrocarbons by Electrometric Titration

D6142-21 Standard Test Method for Analysis of Phenol by Capillary Gas Chromatography

D6621-21 Standard Practice for Performance Testing of Process Analyzers for Aromatic Hydrocarbon Materials

D6367-21 Standard Specification for AMS (α-Methylstyrene)

D235-22 Standard Specification for Mineral Spirits (Petroleum Spirits) (Hydrocarbon Dry Cleaning Solvent)

D268-22 Standard Guide for Sampling and Testing Volatile Solvents and Chemical Intermediates for Use in Paint and Related Coatings and Material

D1153-22 Standard Specification for Methyl Isobutyl Ketone

D1257-22 Standard Specification for High-Gravity Glycerin

D6144-22 Standard Test Method for Analysis of AMS ( $\alpha$ -Methylstyrene) by Capillary Gas Chromatography

D2087-22 Standard Test Method for Iron in Formaldehyde Solutions

D2191-22 Standard Test Method for Acetaldehyde Content of Vinyl Acetate

D2193-22 Standard Test Method for Hydroquinone in Vinyl Acetate

D2194-22 Standard Test Method for Concentration of Formaldehyde Solutions

D2378-22 Standard Specification for Formaldehyde 50 % Grade Uninhibited and 37 % Grade Inhibited and Uninhibited

D2693-22 Standard Specification for Ethylene Glycol

D2804-22 Standard Test Method for Purity of Methyl Ethyl Ketone By Gas Chromatography

D3257-22 Standard Test Methods for Aromatics in Mineral Spirits by Gas Chromatography

D3545-22 Standard Test Method for Alcohol Content and Purity of Acetate Esters by Gas Chromatography

D3735-22 Standard Specification for VM&P Naphthas

D4615-22 Standard Specification for n-Butyl Acetate (All Grades)

D4367-22 Standard Test Method for Benzene in Hydrocarbon Solvents by Gas Chromatography

D5008-22 Standard Test Method for Ethyl Methyl Pentanol Content and Purity Value of 2-Ethylhexanol By Gas Chromatography

D1492-21 Standard Test Method for Bromine Index of Aromatic Hydrocarbons by Coulometric Titration

D2086-22 Standard Test Method for Acidity in Vinyl Acetate and Acetaldehyde

D1969-22 Standard Specification for 2-Ethylhexanol

D1617-22 Standard Test Method for Ester Value of Solvents and Thinners

D1364-22 Standard Test Method for Water in Volatile Solvents (Karl Fischer Reagent Titration Method)

E1615-22 Standard Test Method for Determination of Trace Quantities of Iron by Visible Spectrophotometry

D4471-22 Standard Test Method for Pyridine Bases in Cresylic Acid by Direct Titration

E2470-22 Standard Specification for Polyester Grade Ethylene Glycol

E2679-22 Standard Test Method for Acidity in Mono-, Di-, Tri- and Tetraethylene Glycol by Non-Aqueous Potentiometric Titration

D3437-15(2022) Standard Practice for Sampling and Handling Liquid Cyclic Products

E300-03(2022) Standard Practice for Sampling Industrial Chemicals

E2664-22 Standard Practice for Methanol Wall Wash of Marine Vessels Handling Polyester Grade Monoethylene Glycol

D1555M-22 Standard Test Method for Calculation of Volume and Weight of Industrial Aromatic Hydrocarbons and Cyclohexane [Metric]

D5309-22 Standard Specification for Cyclohexane 999

E394-22 Standard Test Method for Iron in Trace Quantities Using the 1,10-Phenanthroline Method

E2313-22 Standard Test Method for Aldehydes in Mono-, Di-, and Triethylene Glycol (using Spectrophotometry)

D4590-22 Standard Test Method for Colorimetric Determination of p-tert-Butylcatechol In Styrene Monomer or AMS (α–Methylstyrene) by Spectrophotometry

D2340-23 Standard Test Method for Peroxides in Styrene Monomer

D8062-23 Standard Specification for Purified Terephthalic Acid (PTA) with Low p-Toluic Acid

D8496-23 Standard Test Method for Determination of Hydroquinone (HQ) Content in Vinyl Acetate Monomer (VAM) Using Ultraviolet-Visible (UV-Vis) Spectrophotometer

D1296-23 Standard Test Method for Odor of Volatile Solvents and Diluents

D847-23 Standard Test Method for Acidity of Benzene, Toluene, Xylenes, Solvent Naphthas, and Similar Industrial Aromatic Hydrocarbons

D848-23 Standard Test Method for Acid Wash Color of Industrial Aromatic Hydrocarbons

D4790-23 Standard Terminology of Aromatic Hydrocarbons and Related Chemicals

D6875-23 Standard Test Method for Solidification Point of Industrial Organic Chemicals by Thermistor

D7871-23 Standard Test Method for Analysis of Cyclohexane by Gas Chromatography (Effective Carbon Number)

D7359-23 Standard Test Method for Total Fluorine, Chlorine and Sulfur in Aromatic Hydrocarbons and Their Mixtures by Oxidative Pyrohydrolytic Combustion followed by Ion Chromatography Detection (Combustion Ion Chromatography-CIC)

E2193-23 Standard Test Method for Ultraviolet Transmittance of Monoethylene Glycol (using Ultraviolet Spectrophotometry)

E324-23 Standard Test Method for Relative Initial and Final Melting Points and the Melting Range of Organic Chemicals

D7125-23 Standard Specification for Cumene (Isopropylbenzene) Manufactured Via a Zeolite Process

D4077-23 Standard Specification for Cumene (Isopropylbenzene)

D7057-23 Standard Test Method for Analysis of Isopropylbenzene (Cumene) by Gas Chromatography (External Standard)

E1119-23 Standard Specification for Industrial Grade Ethylene Glycol

D7977-23 Standard Test Methods for Polymer Content of AMS ( $\alpha$ -Methylstyrene)

E1547-09(2023) Standard Terminology Relating to Industrial and Specialty Chemicals

E224-23 Standard Test Methods for Analysis of Hydrochloric Acid

E1146-23 Standard Specification for Muriatic Acid (Technical Grade Hydrochloric Acid)

D7504-23 Standard Test Method for Trace Impurities in Monocyclic Aromatic Hydrocarbons by Gas Chromatography and Effective Carbon Number

E223-23e1 Standard Test Methods for Analysis of Sulfuric Acid

D7183-23 Standard Test Method for Determination of Total Sulfur in Aromatic Hydrocarbons and Related Chemicals by Ultraviolet Fluorescence

D5471-23 Standard Specification for O-Xylene 980

D5713-23 Standard Test Method for Analysis of High Purity Benzene for Cyclohexane Feedstock by Capillary Gas Chromatography

D6143-23 Standard Test Method for Iron Content of Bisphenol A (4,4' - Isopropylidenediphenol)

E222-23 Standard Test Methods for Hydroxyl Groups Using Acetic Anhydride Acetylation

D5310-23 Standard Test Method for Tar Acid Composition by Capillary Gas Chromatography

E1899-23 Standard Test Method for Hydroxyl Groups Using Reaction with p-Toluenesulfonyl Isocyanate (TSI) and Potentiometric Titration with Tetrabutylammonium Hydroxide

E1228-23 Standard Test Method for Assay of Peroxy Esters—Catalyzed Iodometric Procedure

D2232-23 Standard Test Method for Evaporating Residue of Naphthalene

E200-23 Standard Practice for Preparation, Standardization, and Storage of Standard and Reagent Solutions for Chemical Analysis

D8005-23 Standard Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)

E1584-23 Standard Test Method for Assay of Nitric Acid

D7266-23 Standard Test Method for Analysis of Cyclohexane by Gas Chromatography (External Standard)

D1613-17(2023) Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish, Lacquer, and Related Products

D1614-09(2023) Standard Test Method for Alkalinity in Acetone

D1718-09(2023) Standard Specification for Isobutyl Acetate (95 % Grade)

D1722-09(2023) Standard Test Method for Water Miscibility of Water-Soluble Solvents

D2379-09(2023) Standard Test Method for Acidity of Formaldehyde Solutions

D2916-09(2023) Standard Specification for Isophorone

D3329-03(2023) Standard Test Method for Purity of Methyl Isobutyl Ketone by Gas Chromatography

D3548-09(2023) Standard Specification for Ethyl Acrylate

D4416-09(2023) Standard Specification for Acrylic Acid

D3893-03(2023) Standard Test Method for Purity of Methyl Amyl Ketone and Methyl Isoamyl Ketone by Gas Chromatography

D4836-09(2023) Standard Specification for Dipropylene Glycol Monomethyl Ether

D5399-09(2023) Standard Test Method for Boiling Point Distribution of Hydrocarbon Solvents by Gas Chromatography

D5808-23 Standard Test Method for Determining Chloride in Aromatic Hydrocarbons and Related Chemicals by Microcoulometry

D2121-23 Standard Test Methods for Polymer Content of Styrene Monomer

E2680-23 Standard Test Method for Appearance of Clear, Transparent Liquids (Visual Inspection Procedure)

D2119-24 Standard Test Method for Aldehydes in Styrene Monomer

D3193-24 Standard Specification for Ethylbenzene

E70-24 Standard Test Method for pH of Aqueous Solutions With the Glass Electrode

D7704-24 Standard Test Method for Total Aldehydes in Styrene Monomer by Potentiometric Titration

E203-24 Standard Test Method for Water Using Volumetric Karl Fischer Titration

E411-24 Standard Test Method for Trace Quantities of Carbonyl Compounds with 2,4-Dinitrophenylhydrazine

E1064-24 Standard Test Method for Water in Organic Liquids by Coulometric Karl Fischer Titration

E2037-24 Standard Test Method for Bromine Chloride in Liquid Chlorine by High Performance Liquid Chromatography (HPLC)

D7884-24 Standard Test Method for Determination of 4-Carboxybenzaldehyde and p-Toluic Acid in Purified Terephthalic Acid by Reverse Phase High Performance Liquid Chromatography

E2036-24 Standard Test Method for Nitrogen Trichloride in Liquid Chlorine by High Performance Liquid Chromatography (HPLC)

D5386-24 Standard Test Method for Color of Liquids Using Tristimulus Colorimetry

D852-24 Standard Test Method for Solidification Point of Benzene

D849-15(2024) Standard Test Method for Copper Strip Corrosion by Industrial Aromatic Hydrocarbons

D3852-20(2024) Standard Practice for Sampling and Handling Phenol, Cresols, and Cresylic Acid

D4297-15(2024) Standard Practice for Sampling and Handling Bisphenol A(4,4′-Isopropylidinediphenol)

E202-24 Standard Test Methods for Analysis of Ethylene Glycols and Propylene Glycols

E346-24 Standard Test Method for Analysis of Carbonizables in Methanol

D1152-24 Standard Specification for Methanol (Methyl Alcohol)

D1631-24 Standard Test Method for Water in Phenol and Related Materials by the Karl Fischer Reagent Method

D3438-24 Standard Practice for Sampling and Handling Naphthalene, Maleic Anhydride, and Phthalic Anhydride

D5194-24a Standard Test Method for Trace Chloride in Liquid Aromatic Hydrocarbons

D6809-24 Standard Guide for Quality Control and Quality Assurance Procedures for Aromatic Hydrocarbons and Related Materials

D8130-17(2024) Standard Test Method for Determination of Metals in Purified Terephthalic Acid (PTA) by Inductively Coupled Plasma Atomic Emission Spectrometric Method

D8031-16(2024) Standard Test Method for Acid Number of Terephthalic Acid (TA) by Automatic Potentiometric Titration

D891-24 Standard Test Methods for Specific Gravity, Apparent, of Liquid Industrial Chemicals

D8534-24 Standard Test Method for Determination of Trace Peroxides in Liquid, Liquefied, and Reagents Soluble Hydrocarbon Streams using Flow Injection System with Ultraviolet/Visible Detector

E2469-24 Standard Test Method for Chloride in Mono-, Di- and Tri-ethylene Glycol by Ion Chromatography

D5871-24 Standard Specification for Benzene for Cyclohexane Feedstock

D7184-24 Standard Test Method for Ultra Low Nitrogen in Aromatic Hydrocarbons by Oxidative Combustion and Reduced Pressure Chemiluminescence Detection

D2359-24 Standard Specification for Refined Benzene-535

D4734-24 Standard Specification for Refined Benzene-545

D5917-24 Standard Test Method for Trace Impurities in Monocyclic Aromatic Hydrocarbons by Gas Chromatography and External Calibration

D7124-24 Standard Specification for Benzene for Use with Zeolite Based Catalysts

D7185-24 Standard Specification for Low Toluene Low Dioxane (LTLD) Benzene

D841-24 Standard Specification for Nitration Grade Toluene

D843-24 Standard Specification for Nitration Grade Xylene

D5211-24 Standard Specification for Xylenes for p-Xylene Feedstock

D5606-24 Standard Specification for Toluene for Toluene Diisocyanate (TDI) Feedstock

D7951-24 Standard Specification for Disproportionation (TDP) Toluene

D4735-24 Standard Test Method for Determination of Trace Thiophene in Refined Benzene by Gas Chromatography

D7536-24 Standard Test Method for Chlorine in Aromatics by Monochromatic Wavelength Dispersive X-ray Fluorescence Spectrometry

D7011-24 Standard Test Method for Determination of Trace Thiophene in Refined Benzene by Gas Chromatography and Sulfur Selective Detection

D5136-24 Standard Specification for High Purity p-Xylene

E449-24 Standard Test Methods for Analysis of Calcium Chloride

E506-24 Standard Test Method for Mercury in Liquid Chlorine

E649-24 Standard Test Method for Bromine in Chlorine

E806-24 Standard Test Method for Carbon Tetrachloride and Chloroform in Liquid Chlorine by Direct Injection (Gas Chromatographic Procedure)

D3620-25 Standard Specification for Glacial Acetic Acid

E410-24 Standard Test Method for Moisture and Residue in Liquid Chlorine

E1746-24 Standard Test Method for Sampling and Analysis of Liquid Chlorine for Gaseous Impurities

E1786-24 Standard Test Method for Determination of Low Levels of Water in Liquid Chlorine by On-Line Infrared Spectrophotometry

D1209-25 Standard Test Method for Color of Clear Liquids (Platinum-Cobalt Scale)

D1363-25 Standard Test Method for Permanganate Time of Acetone and Methanol