

ASTM Volume 06.03, March 2018

Paint—Pigments, Polymers, Resins, Naval Stores, Cellulosic Esters, and Ink Vehicles

D34-08(2014) Standard Guide for Chemical Analysis of White Pigments

D49-83(2014) Standard Test Methods of Chemical Analysis of Red Lead

D50-90(2011) Standard Test Methods for Chemical Analysis of Yellow, Orange, Red, and Brown Pigments Containing Iron and Manganese

D79-86(2014) Standard Specification for Zinc Oxide Pigments

D81-87(2014) Standard Specification for Basic Carbonate White Lead Pigment

D83-84(2014) Standard Specification for Red Lead Pigment

D85-05(2011) Standard Specification for Ochre Pigment

D126-87(2012) Standard Test Methods for Analysis of Yellow, Orange, and Green Pigments Containing Lead Chromate and Chromium Oxide Green

D153-84(2014) Standard Test Methods for Specific Gravity of Pigments

D154-85(2009) Standard Guide for Testing Varnishes

D185-07(2012) Standard Test Methods for Coarse Particles in Pigments

D209-81(2012) Standard Specification for Lampblack Pigment

D210-05(2011) Standard Specification for Bone Black Pigment

D211-67(2012) Standard Specification for Chrome Yellow and Chrome Orange Pigments

D233-13(2017) Standard Test Methods of Sampling and Testing Turpentine

D263-05(2011) Standard Specification for Chrome Oxide Green Pigment

D267-82(2014) Standard Specification for Gold Bronze Powder

D269-97(2015) Standard Test Method for Insoluble Matter in Rosin and Rosin Derivatives

D279-02(2012) Standard Test Methods for Bleeding of Pigments

D280-01(2012) Standard Test Methods for Hygroscopic Moisture (and Other Matter Volatile Under the Test Conditions) in Pigments

D283-13 Standard Test Methods for Chemical Analysis of Cuprous Oxide and Copper Pigments

D305-84(2014) Standard Test Method for Solvent-Extractable Material in Black Pigments

D360-12 Standard Specification for Shellac Varnishes

D444-88(2014) Standard Test Methods for Chemical Analysis of Zinc Yellow Pigment (Zinc Chromate Yellow)

D464-15 Standard Test Methods for Saponification Number of Pine Chemical Products Including Tall Oil and Other Related Products

D465-15 Standard Test Methods for Acid Number of Pine Chemical Products Including Tall Oil and Other Related Products

D476-15 Standard Classification for Dry Pigmentary Titanium Dioxide Products

D478-02(2012) Standard Specification for Zinc Yellow (Zinc Chromate) Pigments

D480-88(2014) Standard Test Methods for Sampling and Testing of Flaked Aluminum Powders and Pastes

D509-15 Standard Test Methods of Sampling and Grading Rosin

D520-00(2011) Standard Specification for Zinc Dust Pigment

D521-02(2012) Standard Test Methods for Chemical Analysis of Zinc Dust (Metallic Zinc Powder)

D561-82(2014) Standard Specification for Carbon Black Pigment for Paint

D602-81(2012) Standard Specification for Barium Sulfate Pigments

D605-82(2012) Standard Specification for Magnesium Silicate Pigment (Talc)

D607-82(2012) Standard Specification for Wet Ground Mica Pigments

D715-86(2014) Standard Test Methods for Analysis of Barium Sulfate Pigment

D716-86(2012) Standard Test Methods for Evaluating Mica Pigment

D717-86(2014) Standard Test Methods for Analysis of Magnesium Silicate Pigment

D718-86(2014) Standard Test Methods for Analysis of Aluminum Silicate Pigment

D763-06(2012) Standard Specification for Raw and Burnt Umber Pigments

D765-87(2014) Standard Specification for Raw and Burnt Sienna Pigments

D768-01(2012) Standard Specification for Yellow Iron Oxide Hydrated

D769-01(2012) Standard Specification for Black Synthetic Iron Oxide

D801-02(2017) Standard Test Methods for Sampling and Testing Dipentene

D802-02(2017) Standard Test Methods for Sampling and Testing Pine Oils

D803-15 Standard Test Methods for Testing Tall Oil

D804-12(2017) Standard Terminology Relating to Pine Chemicals, Including Tall Oil and Related Products

D817-12 Standard Test Methods of Testing Cellulose Acetate Propionate and Cellulose Acetate Butyrate

D871-96(2010) Standard Test Methods of Testing Cellulose Acetate

D889-13(2017) Standard Test Method for Volatile Oil in Rosin

D890-12(2016) Standard Test Method for Water in Liquid Pine Chemicals

D914-12 Standard Test Methods for Ethylcellulose

D962-81(2014) Standard Specification for Aluminum Powder and Paste Pigments for Paints

D964-03(2014) Standard Specification for Metallic Copper Powder for Use in Antifouling Paints

D1065-96(2014)e1 Standard Test Method for Unsaponifiable Matter in Naval Stores, Including Rosin, Tall Oil, and Related Products

D1135-86(2014) Standard Test Methods for Chemical Analysis of Blue Pigments

D1199-86(2014) Standard Specification for Calcium Carbonate Pigments

D1208-96(2012) Standard Test Methods for Common Properties of Certain Pigments

D1240-14 Standard Test Methods for Rosin Acids Content of Pine Chemicals, Including Rosin, Tall Oil, and Related Products

D1301-91(2014) Standard Test Methods for Chemical Analysis of White Lead Pigments

D1343-95(2011) Standard Test Method for Viscosity of Cellulose Derivatives by Ball-Drop Method

D1366-86(2012) Standard Practice for Reporting Particle Size Characteristics of Pigments

D1394-76(2014) Standard Test Methods for Chemical Analysis of White Titanium Pigments

D1439-15 Standard Test Methods for Sodium Carboxymethylcellulose

D1585-15 Standard Test Methods for Fatty Acids Content of Pine Chemicals, Including Rosin, Tall Oil, and Related Products

D1648-86(2014) Standard Specification for Basic Lead Silicochromate Pigment

D1649-01(2012) Standard Specification for Strontium Chromate Pigment

D1652-11e1 Standard Test Method for Epoxy Content of Epoxy Resins

D1695-07(2012) Standard Terminology of Cellulose and Cellulose Derivatives

D1696-95(2011) Standard Test Method for Solubility of Cellulose in Sodium Hydroxide

D1725-12 Standard Practice for Preparing Resin Solutions for Viscosity Measurement by Bubble Time Method

D1726-11 Standard Test Methods for Hydrolyzable Chloride Content of Liquid Epoxy Resins

D1795-13 Standard Test Method for Intrinsic Viscosity of Cellulose

D1844-86(2014) Standard Test Methods for Chemical Analysis of Basic Lead Silicochromate

D1845-86(2014) Standard Test Methods for Chemical Analysis of Strontium Chromate Pigment

D1926-00(2011) Standard Test Methods for Carboxyl Content of Cellulose

D1981-11(2015) Standard Test Method for Measuring Color After Heating of Tall Oil Fatty Acids

D1982-13(2017) Standard Test Method for Titer of Fatty Acids

D2074-07(2013) Standard Test Methods for Total, Primary, Secondary, and Tertiary Amine Values of Fatty Amines by Alternative Indicator Method

D2218-67(2012) Standard Specification for Molybdate Orange Pigments

D2354-10e1 Standard Test Method for Minimum Film Formation Temperature (MFFT) of Emulsion Vehicles

D2363-79(2011) Standard Test Methods for Hydroxypropyl Methylcellulose

D2364-15 Standard Test Methods for Hydroxyethylcellulose

D2448-85(2012) Standard Test Method for Water-Soluble Salts in Pigments by Measuring the Specific Resistance of the Leachate of the Pigment

D2572-97(2010) Standard Test Method for Isocyanate Groups in Urethane Materials or Prepolymers

D2929-89(2011) Standard Test Method for Sulfur Content of Cellulosic Materials by X-Ray Fluorescence

D3021-01(2012) Standard Specification for Phthalocyanine Green Pigments

D3256-86(2014) Standard Test Methods for Chemical Analysis of Phthalocyanine Blue and Green Pigments

D3280-85(2014) Standard Test Methods for Analysis of White Zinc Pigments

D3516-89(2011) Standard Test Methods for Ashing Cellulose

D3720-90(2011) Standard Test Method for Ratio of Anatase to Rutile in Titanium Dioxide Pigments by X-Ray Diffraction

D3721-05(2011) Standard Specification for Synthetic Red Iron Oxide Pigment

D3722-05(2011) Standard Specification for Natural Red and Brown Iron Oxide Pigments

D3724-01(2012) Standard Specification for Synthetic Brown Iron Oxide Pigment

D3872-05(2011) Standard Test Method for Ferrous Iron in Iron Oxides

D3876-96(2013) Standard Test Method for Methoxyl and Hydroxypropyl Substitution in Cellulose Ether Products by Gas Chromatography

D3926-05(2011) Standard Test Methods for Percent Solids in Titanium Dioxide Slurries

D3971-89(2010) Standard Test Method for Dichloromethane-Soluble Matter in Cellulose

D4085-93(2013) Standard Test Method for Metals in Cellulose by Atomic Absorption Spectrophotometry

D4139-04(2014) Standard Guide for Determining Volatile and Nonvolatile Content of Pigments

D4142-89(2017) Standard Guide for Testing Epoxy Resins

D4143-16 Standard Guide for Testing Latex Vehicles

D4288-02(2012) Standard Specification for Calcium Borosilicate Pigments

D4301-05(2013) Standard Test Method for Total Chlorine in Epoxy Resins and Compounds

D4450-85(2012) Standard Test Method for Analysis of Zinc Hydroxy Phosphite Pigment

D4462-02(2012) Standard Specification for Zinc Hydroxy Phosphite Pigment

D4487-90(2014) Standard Test Methods for Analysis of Calcium Borosilicate

D4640-86(2017) Standard Test Method for Determining Stroke Cure Time of Thermosetting Phenol-Formaldehyde Resins

D4794-94(2017) Standard Test Method for Determination of Ethoxyl or Hydroxyethoxyl Substitution in Cellulose Ether Products by Gas Chromatography

D5062-09(2017) Standard Test Method for Resin Solution Dilutability by Volumetric/Gravimetric Determination

D5165-12 Standard Practice for Laboratory Preparation of Gelled Vehicles Using a Resin Kettle

D5166-97(2016) Standard Practice for Laboratory Preparation of Gelled Vehicle Samples Using a Microwave Oven

D5400-15 Standard Test Methods for Hydroxypropylcellulose

D5768-02(2014) Standard Test Method for Determination of Iodine Value of Tall Oil Fatty Acids

D5896-96(2012) Standard Test Method for Carbohydrate Distribution of Cellulosic Materials

D5897-13 Standard Test Method for Determination of Percent Hydroxyl on Cellulose Esters by Potentiometric Titration—
Alternative Method

D5910-05(2012) Standard Test Method for Determination of Free Formaldehyde in Emulsion Polymers by Liquid
Chromatography

D5958-99(2012)e1 Standard Practices for Preparation of Oil-Based Ink Resin Solutions

D5974-15 Standard Test Methods for Fatty and Rosin Acids in Tall Oil Fractionation Products by Capillary Gas Chromatography

D6038-14 Standard Test Methods for Determining the Compatibility of Resin/Solvent Mixtures by Precipitation Temperature
(Cloud Point)

D6090-17 Standard Test Method for Softening Point Resins (Mettler Cup and Ball Method)

D6166-12(2016) Standard Test Method for Color of Pine Chemicals and Related Products (Instrumental Determination of
Gardner Color)

D6188-17 Standard Test Method for Viscosity of Cellulose by Cuprammonium Ball Fall

D6267/D6267M-13(2017) Standard Test Method for Apparent Viscosity of Hydrocarbon Resins at Elevated Temperatures

D6280-98(2014) Standard Specification for Zinc Phosphate Pigments

D6336-11(2017) Standard Practice for Evaluation of Flushing Vehicles for Pigment Wetting Using a Vacuum Modified Sigma
Blade Mixer

D6387-99(2014)e1 Standard Test Methods for Composition of Turpentine and Related Terpene Products by Capillary Gas
Chromatography

D6493-11(2015) Standard Test Methods for Softening Point of Hydrocarbon Resins and Rosin Based Resins by Automated
Ring-and-Ball Apparatus

D6579-11(2015) Standard Practice for Molecular Weight Averages and Molecular Weight Distribution of Hydrocarbon, Rosin
and Terpene Resins by Size-Exclusion Chromatography

D6604-00(2017) Standard Practice for Glass Transition Temperatures of Hydrocarbon Resins by Differential Scanning Calorimetry

D6605-06(2015) Standard Practice for Determining the Color Stability of Hydrocarbon Resins After Heating

D6606-00(2017) Standard Test Method for Viscosity and Yield of Vehicles and Varnishes by the Duke Viscometer

D6687-07(2013) Standard Guide for Testing Printing Ink Vehicles and Components Thereof

D6887-03(2013) Standard Test Method for Testing Alkyd Compatibility with Resin or Resin Solutions

D6942-03(2012) Standard Test Method for Stability of Cellulose Fibers in Alkaline Environments

D6989-03(2013) Standard Practices for Preparation of Solvent and Water Based Ink Resin Solutions

D7271-06(2012) Standard Test Method for Viscoelastic Properties of Paste Ink Vehicle Using an Oscillatory Rheometer

D7357-07(2012) Standard Specification for Cellulose Fibers for Fiber-Reinforced Concrete

D8020-15 Standard Test Method for Freeze-Thaw Viscosity Stability of Water-Based Inks and Ink Vehicles

E28-14 Standard Test Methods for Softening Point of Resins Derived from Pine Chemicals and Hydrocarbons, by Ring-and-Ball Apparatus