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Air Quality

D1356-17 Standard Terminology Relating to Sampling and Analysis of Atmospheres

D1357-95(2011) Standard Practice for Planning the Sampling of the Ambient Atmosphere

D1607-91(2018)e1 Standard Test Method for Nitrogen Dioxide Content of the Atmosphere (Griess-Saltzman Reaction)

D1608-16 Standard Test Method for Oxides of Nitrogen in Gaseous Combustion Products (Phenol-Disulfonic Acid Procedures)

D1739-98(2017) Standard Test Method for Collection and Measurement of Dustfall (Settleable Particulate Matter)

D1914-95(2014) Standard Practice for Conversion Units and Factors Relating to Sampling and Analysis of Atmospheres

D2010/D2010M-98(2017) Standard Test Methods for Evaluation of Total Sulfation Activity in the Atmosphere by the Lead Dioxide Technique

D2913-14 Standard Test Method for Mercaptan Content of the Atmosphere

D2914-15 Standard Test Methods for Sulfur Dioxide Content of the Atmosphere (West-Gaeke Method)

D3154-14 Standard Test Method for Average Velocity in a Duct (Pitot Tube Method)

D3162-12 Standard Test Method for Carbon Monoxide in the Atmosphere (Continuous Measurement by Nondispersive Infrared Spectrometry)

D3195/D3195M-10(2015) Standard Practice for Rotameter Calibration

D3249-95(2011) Standard Practice for General Ambient Air Analyzer Procedures

D3266-91(2018) Standard Test Method for Automated Separation and Collection of Particulate and Acidic Gaseous Fluoride in the Atmosphere (Double Paper Tape Sampler Method)

D3267-12 Standard Test Method for Separation and Collection of Particulate and Water-Soluble Gaseous Fluorides in the Atmosphere (Filter and Impinger Method)

D3268-91(2018) Standard Test Method for Separation and Collection of Particulate and Gaseous Fluorides in the Atmosphere (Sodium Bicarbonate-Coated Glass Tube and Particulate Filter Method)

D3270-13 Standard Test Methods for Analysis for Fluoride Content of the Atmosphere and Plant Tissues (Semiautomated Method)

D3464-96(2014) Standard Test Method for Average Velocity in a Duct Using a Thermal Anemometer

D3608-95(2011) Standard Test Method for Nitrogen Oxides (Combined) Content in the Atmosphere by the Griess-Saltzman Reaction

D3609-00(2014) Standard Practice for Calibration Techniques Using Permeation Tubes

D3614-07(2013) Standard Guide for Laboratories Engaged in Sampling and Analysis of Atmospheres and Emissions

D3631-99(2017) Standard Test Methods for Measuring Surface Atmospheric Pressure

D3670-91(2014) Standard Guide for Determination of Precision and Bias of Methods of Committee D22

D3685/D3685M-13 Standard Test Methods for Sampling and Determination of Particulate Matter in Stack Gases

D3686-13 Standard Practice for Sampling Atmospheres to Collect Organic Compound Vapors (Activated Charcoal Tube Adsorption Method)

D3687-07(2012) Standard Practice for Analysis of Organic Compound Vapors Collected by the Activated Charcoal Tube Adsorption Method

D3796-09(2016) Standard Practice for Calibration of Type S Pitot Tubes

D3824-12 Standard Test Methods for Continuous Measurement of Oxides of Nitrogen in the Ambient or Workplace Atmosphere by the Chemiluminescent Method

D4096-17 Standard Test Method for Determination of Total Suspended Particulate Matter in the Atmosphere (High-Volume Sampler Method)

D4185-17 Standard Test Method for Measurement of Metals in Workplace Atmospheres by Flame Atomic Absorption Spectrophotometry

D4230-02(2012) Standard Test Method of Measuring Humidity with Cooled-Surface Condensation (Dew-Point) Hygrometer

D4298-04(2014)e1 Standard Guide for Intercomparing Permeation Tubes to Establish Traceability

D4323-15 Standard Test Method for Hydrogen Sulfide in the Atmosphere by Rate of Change of Reflectance

D4430-00(2015) Standard Practice for Determining the Operational Comparability of Meteorological Measurements

D4490-96(2016) Standard Practice for Measuring the Concentration of Toxic Gases or Vapors Using Detector Tubes

D4532-15 Standard Test Method for Respirable Dust in Workplace Atmospheres Using Cyclone Samplers

D4597-10(2015) Standard Practice for Sampling Workplace Atmospheres to Collect Gases or Vapors with Solid Sorbent Diffusive Samplers

D4599-14 Standard Practice for Measuring the Concentration of Toxic Gases or Vapors Using Length-of-Stain Dosimeters

D4600-95(2016) Standard Test Method for Determination of Benzene-Soluble Particulate Matter in Workplace Atmospheres

D4765-13 Standard Test Method for Measurement of Fluorides in Workplace Atmospheres by Ion-Selective Electrodes

D4766-98(2014) Standard Test Method for Vinyl Chloride in Workplace Atmospheres (Charcoal Tube Method)

D4844-16 Standard Guide for Air Monitoring at Waste Management Facilities for Worker Protection

D4856-11(2016) Standard Test Method for Determination of Sulfuric Acid Mist in Workplace Atmospheres Collected on Mixed Cellulose Ester Filters (Ion Chromatographic Analysis)

D4861-17 Standard Practice for Sampling and Selection of Analytical Techniques for Pesticides and Polychlorinated Biphenyls in Air

D4913-00(2016) Standard Practice for Determining Concentration of Hydrogen Sulfide by Direct Reading, Length of Stain, Visual Chemical Detectors

D5011-17 Standard Practices for Calibration of Ozone Monitors Using Transfer Standards

D5012-01(2013) Standard Guide for Preparation of Materials Used for the Collection and Preservation of Atmospheric Wet Deposition

D5015-15 Standard Test Method for pH of Atmospheric Wet Deposition Samples by Electrometric Determination

D5075-01(2017)e1 Standard Test Method for Nicotine and 3-Ethenylpyridine in Indoor Air

D5085-02(2013) Standard Test Method for Determination of Chloride, Nitrate, and Sulfate in Atmospheric Wet Deposition by Chemically Suppressed Ion Chromatography

D5086-01(2013) Standard Test Method for Determination of Calcium, Magnesium, Potassium, and Sodium in Atmospheric Wet Deposition by Flame Atomic Absorption Spectrophotometry

D5096-02(2017) Standard Test Method for Determining the Performance of a Cup Anemometer or Propeller Anemometer

D5110-98(2017) Standard Practice for Calibration of Ozone Monitors and Certification of Ozone Transfer Standards Using Ultraviolet Photometry

D5111-12 Standard Guide for Choosing Locations and Sampling Methods to Monitor Atmospheric Deposition at Non-Urban Locations

D5116-17 Standard Guide for Small-Scale Environmental Chamber Determinations of Organic Emissions from Indoor Materials/Products

D5149-02(2016) Standard Test Method for Ozone in the Atmosphere: Continuous Measurement by Ethylene Chemiluminescence

D5156-02(2016) Standard Test Methods for Continuous Measurement of Ozone in Ambient, Workplace, and Indoor Atmospheres (Ultraviolet Absorption)

D5157-97(2014) Standard Guide for Statistical Evaluation of Indoor Air Quality Models

D5197-16 Standard Test Method for Determination of Formaldehyde and Other Carbonyl Compounds in Air (Active Sampler Methodology)

D5280-96(2013) Standard Practice for Evaluation of Performance Characteristics of Air Quality Measurement Methods with Linear Calibration Functions

D5337-11(2016) Standard Practice for Flow Rate Adjustment of Personal Sampling Pumps

D5366-96(2017) Standard Test Method for Determining the Dynamic Performance of a Wind Vane

D5438-17 Standard Practice for Collection of Floor Dust for Chemical Analysis

D5466-15 Standard Test Method for Determination of Volatile Organic Compounds in Atmospheres (Canister Sampling Methodology)

D5527-00(2017)e1 Standard Practices for Measuring Surface Wind and Temperature by Acoustic Means

D5578-04(2015) Standard Test Method for Determination of Ethylene Oxide in Workplace Atmospheres (HBr Derivatization Method)

D5741-96(2017) Standard Practice for Characterizing Surface Wind Using a Wind Vane and Rotating Anemometer

D5755-09(2014)e1 Standard Test Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Surface Loading

D5791-95(2017) Standard Guide for Using Probability Sampling Methods in Studies of Indoor Air Quality in Buildings

D5835-95(2013) Standard Practice for Sampling Stationary Source Emissions for the Automated Determination of Gas Concentrations

D5836-08(2013) Standard Test Method for Determination of 2,4-Toluene Diisocyanate (2,4-TDI) and 2,6-Toluene Diisocyanate (2,6-TDI) in Workplace Atmospheres (1-2 PP Method)

D5932-08(2013)e1 Standard Test Method for Determination of 2,4-Toluene Diisocyanate (2,4-TDI) and 2,6-Toluene Diisocyanate (2,6-TDI) in Air (with 9-(N-Methylaminomethyl) Anthracene Method) (MAMA) in the Workplace

D5952-08(2015) Standard Guide for the Inspection of Water Systems for Legionella and the Investigation of Possible Outbreaks of Legionellosis (Legionnaires' Disease or Pontiac Fever)

D5953M-16 Standard Test Method for Determination of Non-methane Organic Compounds (NMOC) in Ambient Air Using Cryogenic Preconcentration and Direct Flame Ionization Detection

D5955-02(2017)e1 Standard Test Methods for Estimating Contribution of Environmental Tobacco Smoke to Respirable Suspended Particles Based on UVPM and FPM

D6011-96(2015) Standard Test Method for Determining the Performance of a Sonic Anemometer/Thermometer

D6056-96(2011) Standard Test Method for Determining Concentration of Airborne Single-Crystal Ceramic Whiskers in the Workplace Environment by Transmission Electron Microscopy

D6057-96(2011) Standard Test Method for Determining Concentration of Airborne Single-Crystal Ceramic Whiskers in the Workplace Environment by Phase Contrast Microscopy

D6058-96(2016) Standard Practice for Determining Concentration of Airborne Single-Crystal Ceramic Whiskers in the Workplace Environment

D6059-96(2011) Standard Test Method for Determining Concentration of Airborne Single-Crystal Ceramic Whiskers in the Workplace Environment by Scanning Electron Microscopy

D6060-17 Standard Test Method for Sampling of Process Vents with a Portable Gas Chromatograph

D6061-01(2012)e1 Standard Practice for Evaluating the Performance of Respirable Aerosol Samplers

D6062-07(2012) Standard Guide for Personal Samplers of Health-Related Aerosol Fractions

D6176-97(2015) Standard Practice for Measuring Surface Atmospheric Temperature with Electrical Resistance Temperature Sensors

D6177-14 Standard Practice for Determining Emission Profiles of Volatile Organic Chemicals Emitted from Bedding Sets

D6178-14 Standard Practice for Estimation of Short-term Inhalation Exposure to Volatile Organic Chemicals Emitted from Bedding Sets

D6196-15e1 Standard Practice for Choosing Sorbents, Sampling Parameters and Thermal Desorption Analytical Conditions for Monitoring Volatile Organic Chemicals in Air

D6209-13 Standard Test Method for Determination of Gaseous and Particulate Polycyclic Aromatic Hydrocarbons in Ambient Air (Collection on Sorbent-Backed Filters with Gas Chromatographic/Mass Spectrometric Analysis)

D6216-12 Standard Practice for Opacity Monitor Manufacturers to Certify Conformance with Design and Performance Specifications

D6245-18 Standard Guide for Using Indoor Carbon Dioxide Concentrations to Evaluate Indoor Air Quality and Ventilation

D6246-08(2013)e1 Standard Practice for Evaluating the Performance of Diffusive Samplers

D6271-10(2016) Standard Test Method for Estimating Contribution of Environmental Tobacco Smoke to Respirable Suspended Particles Based on Solanesol

D6281-15 Standard Test Method for Airborne Asbestos Concentration in Ambient and Indoor Atmospheres as Determined by Transmission Electron Microscopy Direct Transfer (TEM)

D6306-17 Standard Guide for Placement and Use of Diffusive Samplers for Gaseous Pollutants in Indoor Air

D6327-10(2016) Standard Test Method for Determination of Radon Decay Product Concentration and Working Level in Indoor Atmospheres by Active Sampling on a Filter

D6328-18 Standard Guide for Quality Assurance Protocols for Chemical Analysis of Atmospheric Wet Deposition

D6329-98(2015) Standard Guide for Developing Methodology for Evaluating the Ability of Indoor Materials to Support Microbial Growth Using Static Environmental Chambers

D6330-98(2014) Standard Practice for Determination of Volatile Organic Compounds (Excluding Formaldehyde) Emissions from Wood-Based Panels Using Small Environmental Chambers Under Defined Test Conditions

D6331-16 Standard Test Method for Determination of Mass Concentration of Particulate Matter from Stationary Sources at Low Concentrations (Manual Gravimetric Method)

D6332-12(2017) Standard Guide for Testing Systems for Measuring Dynamic Responses of Carbon Monoxide Detectors to Gases and Vapors

D6333-17 Standard Practice for Collection of Dislodgeable Pesticide Residues from Floors

D6345-10 Standard Guide for Selection of Methods for Active, Integrative Sampling of Volatile Organic Compounds in Air

D6348-12e1 Standard Test Method for Determination of Gaseous Compounds by Extractive Direct Interface Fourier Transform Infrared (FTIR) Spectroscopy

D6363-98(2013) Standard Test Method for Determination of Hydrogen Peroxide and Combined Organic Peroxides in Atmospheric Water Samples by Peroxidase Enzyme Fluorescence Method

D6399-18 Standard Guide for Selecting Instruments and Methods for Measuring Air Quality in Aircraft Cabins

D6420-99(2010) Standard Test Method for Determination of Gaseous Organic Compounds by Direct Interface Gas Chromatography-Mass Spectrometry

D6480-05(2010) Standard Test Method for Wipe Sampling of Surfaces, Indirect Preparation, and Analysis for Asbestos Structure Number Concentration by Transmission Electron Microscopy

D6485-18 Standard Guide for Risk Characterization of Acute and Irritant Effects of Short-Term Exposure to Volatile Organic Chemicals Emitted from Bedding Sets

D6494-99(2015) Standard Test Method for Determination of Asphalt Fume Particulate Matter in Workplace Atmospheres as Benzene Soluble Fraction

D6522-11 Standard Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers

D6552-06(2016) Standard Practice for Controlling and Characterizing Errors in Weighing Collected Aerosols

D6561-06(2016) Standard Test Method for Determination of Aerosol Monomeric and Oligomeric Hexamethylene Diisocyanate (HDI) in Air with (Methoxy-2-phenyl-1) Piperazine (MOPIP) in the Workplace

D6562-12 Standard Test Method for Determination of Gaseous Hexamethylene Diisocyanate (HDI) in Air with 9-(N-methylaminomethyl) Anthracene Method (MAMA) in the Workplace

D6589-05(2015) Standard Guide for Statistical Evaluation of Atmospheric Dispersion Model Performance

D6620-06(2010) Standard Practice for Asbestos Detection Limit Based on Counts

D6669-12 Standard Practice for Selecting and Constructing Exposure Scenarios for Assessment of Exposures to Alkyd and Latex Interior Paints

D6670-13 Standard Practice for Full-Scale Chamber Determination of Volatile Organic Emissions from Indoor Materials/Products

D6784-16 Standard Test Method for Elemental, Oxidized, Particle-Bound and Total Mercury in Flue Gas Generated from Coal-Fired Stationary Sources (Ontario Hydro Method)

D6785-13 Standard Test Method for Determination of Lead in Workplace Air Using Flame or Graphite Furnace Atomic Absorption Spectrometry

D6803-13 Standard Practice for Testing and Sampling of Volatile Organic Compounds (Including Carbonyl Compounds) Emitted from Paint Using Small Environmental Chambers

D6830-02(2016) Standard Test Method for Characterizing the Pressure Drop and Filtration Performance of Cleanable Filter Media

D6831-11(2018) Standard Test Method for Sampling and Determining Particulate Matter in Stack Gases Using an In-Stack, Inertial Microbalance

D6832-13e1 Standard Test Method for the Determination of Hexavalent Chromium in Workplace Air by Ion Chromatography and Spectrophotometric Measurement Using 1,5-diphenylcarbazide

D6877-13e1 Standard Test Method for Monitoring Diesel Particulate Exhaust in the Workplace

D6966-13 Standard Practice for Collection of Settled Dust Samples Using Wipe Sampling Methods for Subsequent Determination of Metals

D7034-18 Standard Guide for Deriving Acceptable Levels of Airborne Chemical Contaminants in Aircraft Cabins Based on Health and Comfort Considerations

D7035-16 Standard Test Method for Determination of Metals and Metalloids in Airborne Particulate Matter by Inductively Coupled Plasma Atomic Emission Spectrometry (ICP-AES)

D7036-16 Standard Practice for Competence of Air Emission Testing Bodies

D7049-17 Standard Test Method for Metalworking Fluid Aerosol in Workplace Atmospheres

D7143-17 Standard Practice for Emission Cells for the Determination of Volatile Organic Emissions from Indoor Materials/Products

D7144-05a(2016) Standard Practice for Collection of Surface Dust by Micro-vacuum Sampling for Subsequent Metals Determination

D7145-05(2015) Standard Guide for Measurement of Atmospheric Wind and Turbulence Profiles by Acoustic Means

D7200-12 Standard Practice for Sampling and Counting Airborne Fibers, Including Asbestos Fibers, in Mines and Quarries, by Phase Contrast Microscopy and Transmission Electron Microscopy

D7201-06(2011) Standard Practice for Sampling and Counting Airborne Fibers, Including Asbestos Fibers, in the Workplace, by Phase Contrast Microscopy (with an Option of Transmission Electron Microscopy)

D7202-15 Standard Test Method for Determination of Beryllium in the Workplace by Extraction and Optical Fluorescence Detection

D7295-18 Standard Practice for Sampling Combustion Effluents and Other Stationary Sources for the Subsequent Determination of Hydrogen Cyanide

D7296-12 Standard Practice for Collection of Settled Dust Samples Using Dry Wipe Sampling Methods for Subsequent Determination of Beryllium and Compounds

D7297-14 Standard Practice for Evaluating Residential Indoor Air Quality Concerns

D7338-14 Standard Guide for Assessment Of Fungal Growth in Buildings

D7339-18 Standard Test Method for Determination of Volatile Organic Compounds Emitted from Carpet using a Specific Sorbent Tube and Thermal Desorption / Gas Chromatography

D7390-18 Standard Guide for Evaluating Asbestos in Dust on Surfaces by Comparison Between Two Environments

D7391-17e1 Standard Test Method for Categorization and Quantification of Airborne Fungal Structures in an Inertial Impaction Sample by Optical Microscopy

D7392-07(2013) Standard Practice for PM Detector and Bag Leak Detector Manufacturers to Certify Conformance with Design and Performance Specifications for Cement Plants

D7439-14 Standard Test Method for Determination of Elements in Airborne Particulate Matter by Inductively Coupled Plasma–Mass Spectrometry

D7440-08(2015)e1 Standard Practice for Characterizing Uncertainty in Air Quality Measurements

D7441-08(2013) Standard Practice for Separation of Beryllium from Other Metals in Digestion and Extraction Solutions from Workplace Dust Samples

D7459-08(2016) Standard Practice for Collection of Integrated Samples for the Speciation of Biomass (Biogenic) and Fossil-Derived Carbon Dioxide Emitted from Stationary Emissions Sources

D7520-16 Standard Test Method for Determining the Opacity of a Plume in the Outdoor Ambient Atmosphere

D7521-16 Standard Test Method for Determination of Asbestos in Soil

D7614-12 Standard Test Method for Determination of Total Suspended Particulate (TSP) Hexavalent Chromium in Ambient Air Analyzed by Ion Chromatography (IC) and Spectrophotometric Measurements

D7658-17 Standard Test Method for Direct Microscopy of Fungal Structures from Tape

D7659-10(2015) Standard Guide for Strategies for Surface Sampling of Metals and Metalloids for Worker Protection

D7706-17 Standard Practice for Rapid Screening of VOC Emissions from Products Using Micro-Scale Chambers

D7707-11(2016) Standard Specification for Wipe Sampling Materials for Beryllium in Surface Dust

D7712-18 Standard Terminology for Sampling and Analysis of Asbestos

D7773-12 Standard Test Method for Determination of Volatile Inorganic Acids (HCl, HBr, and HNO₃) Using Filter Sampling and Suppressed Ion Chromatography

D7788-14 Standard Practice for Collection of Total Airborne Fungal Structures via Inertial Impaction Methodology

D7789-12 Standard Practice for Collection of Fungal Material from Surfaces by Swab

D7822-13 Standard Practice for Dermal Wipe Sampling for the Subsequent Determination of Metals and Metalloids

D7859-13e1 Standard Practice for Spraying, Sampling, Packaging, and Test Specimen Preparation of Spray Polyurethane Foam (SPF) Insulation for Testing of Emissions Using Environmental Chambers

D7886-14 Standard Practice for Asbestos Exposure Assessments for Repetitive Maintenance and Installation Tasks

D7910-14 Standard Practice for Collection of Fungal Material From Surfaces by Tape Lift

D7911-14 Standard Guide for Using Reference Material to Characterize Measurement Bias Associated with Volatile Organic Compound Emission Chamber Test

D7948-14e1 Standard Test Method for Measurement of Respirable Crystalline Silica in Workplace Air by Infrared Spectrometry

D8141-17 Standard Guide for Selecting Volatile Organic Compounds (VOCs) and Semi-Volatile Organic Compounds (SVOCs) Emission Testing Methods to Determine Emission Parameters for Modeling of Indoor Environments

D8142-17 Standard Test Method for Determining Chemical Emissions from Spray Polyurethane Foam (SPF) Insulation using Micro-Scale Environmental Test Chambers

E104-02(2012) Standard Practice for Maintaining Constant Relative Humidity by Means of Aqueous Solutions

E337-15 Standard Test Method for Measuring Humidity with a Psychrometer (the Measurement of Wet- and Dry-Bulb Temperatures)

E884-82(2012) Standard Practice for Sampling Airborne Microorganisms at Municipal Solid-Waste Processing Facilities

E1368-14 Standard Practice for Visual Inspection of Asbestos Abatement Projects

E1370-14 Standard Guide for Air Sampling Strategies for Worker and Workplace Protection

E1494-18 Standard Practice for Testing Physical Properties of Friable Surfacing Materials

E2356-14 Standard Practice for Comprehensive Building Asbestos Surveys

E2394-11 Standard Practice for Maintenance, Renovation and Repair of Installed Asbestos Cement Products

F778-88(2014) Standard Methods for Gas Flow Resistance Testing of Filtration Media