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.

Designation: D1356 – 20a

Standard Terminology Relating to Sampling and Analysis of Atmospheres[1]

This standard is issued under the fixed designation D1356; 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.

1. Scope

1.1 This terminology is a collective vocabulary relating to sampling and analysis of atmospheres. As a convenience to general interest, it contains most of the standard terms, definitions, and nomenclature under the jurisdiction of Committee D22.

1.2 Many of the entries in this terminology are copied (with attribution) from the standards of origin referenced in Section 2. The standards of origin are noted in bold type at the right margin of the applicable definition.

1.3 Certain terms in the common language that comprise multiple concepts are included herein with the definition specific to standards and practices of Committee D22.

1.4 *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]

D1357 Practice for Planning the Sampling of the Ambient Atmosphere

D3249 Practice for General Ambient Air Analyzer Procedures

D3614 Guide for Laboratories Engaged in Sampling and Analysis of Atmospheres and Emissions

D3631 Test Methods for Measuring Surface Atmospheric Pressure

D3670 Guide for Determination of Precision and Bias of Methods of Committee D22

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

D3687 Test Method for Analysis of Organic Compound Vapors Collected by the Activated Charcoal Tube Adsorption Method

D4023 Terminology Relating to Humidity Measurements (Withdrawn 2002)[3]

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

D4240 Test Method for Airborne Asbestos Concentration in Workplace Atmosphere (Withdrawn 1995)[3]

D4298 Guide for Intercomparing Permeation Tubes to Establish Traceability

D4597 Practice for Sampling Workplace Atmospheres to Collect Gases or Vapors with Solid Sorbent Diffusive Samplers

D5011 Practices for Calibration of Ozone Monitors Using Transfer Standards

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

D5096 Test Method for Determining the Performance of a Cup Anemometer or Propeller Anemometer

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

D5366 Test Method for Determining the Dynamic Performance of a Wind Vane

D5438 Practice for Collection of Floor Dust for Chemical Analysis

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

D5527 Practices for Measuring Surface Wind and Temperature by Acoustic Means

D5755 Test Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Surface Loading

D6061 Practice for Evaluating the Performance of Respirable Aerosol Samplers

[1] This terminology is under the jurisdiction of ASTM Committee D22 on Air Quality and is the direct responsibility of Subcommittee D22.01 on Quality Control.

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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' Document Summary page on the ASTM website.

[3] The last approved version of this historical standard is referenced on www.astm.org.

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