



Designation: D1129 – 24

Standard Terminology Relating to Water¹

This standard is issued under the fixed designation D1129; 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.

This standard has been approved for use by agencies of the U.S. Department of Defense.

1. Scope*

1.1 This standard is a compilation of definitions of terms as they are used in standards under the jurisdiction of Committee D19.

1.2 Terminology specific to a D19 subcommittee under the jurisdiction of Committee D19 is included in specialized standards. For example, Terminologies **D7902** and **D6161**.

1.3 In the event of conflict between definitions in Terminology D1129 and definitions in other D19 Terminology standards, the definitions in Terminology D1129 shall govern all Committee D19 standards.

1.4 When a term is used in an ASTM standard for which Committee D19 is responsible, it is included herein only if used in more than one Committee D19 standard. Common terms, used in multiple D19 standards, and common terms for the analysis of water included in Terminology D1129 need not be included in each individual standard provided proper reference to Terminology D1129 is made in the individual standards.

1.5 Terminology approved in Terminology D1129 standards may be added to Terminology D1129 editorially, according to the Committee D19 bylaws. Editorial revisions of Terminology D1129 will be noted next to the latest approval year of the standard by the ASTM Editor according to Form and Style for ASTM Standards.

1.6 The deletion of any term or definition, or both, is a technical change and will require ballot action.

1.7 Subcommittee D19.12 on Terminology is responsible for the required periodic review of this standard to determine if the current content is still appropriate. Revisions will be proposed when determined appropriate.

1.8 This standard includes notes and discussions of definitions that provide supplementary or explanatory information. These notes and discussions shall not be considered as requirements of this standard nor as parts of the definitions.

¹ This terminology is under the jurisdiction of ASTM Committee **D19** on Water and is the direct responsibility of Subcommittee **D19.12** on Terminology.

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1.9 *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

D6161 Terminology Used for Microfiltration, Ultrafiltration, Nanofiltration, and Reverse Osmosis Membrane Processes
D7902 Terminology for Radiochemical Analyses

3. Significance and Use

3.1 This terminology standard describes terms and definitions used in standards maintained by ASTM Committee D19 on Water. The terminology is also recommended for general use in the water analysis community.

4. Terminology

4.1 *Definitions:*

absolute filter rating, *n*—particle size above which 100 % of particles that are trapped on or within the filter medium. **D6161**

absorbance, *n*—logarithm to the base 10 of the reciprocal of the transmittance (*T*). $A = \log_{10} (1/T) = -\log_{10} T$. **D4691**

absorption, *n*—release for desorption holding of a substance within a solid by cohesive or capillary forces. **D6161**

absorptivity, *n*—absorbance (*A*) divided by the product of the sample path length (*b*) and the concentration (*c*). $a = A/bc$. **D4691**

accelerated erosion, *n*—erosion at a rate greater than geologic or natural erosion.

DISCUSSION—Accelerated erosion is usually associated with anthropogenic activities and usually reduces plant cover and increases runoff.

D4410

² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at www.astm.org/contact. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

*A Summary of Changes section appears at the end of this standard