

## **Volume 11.01, April 2007**

### **Water (I)**

#### **Standards and Related Materials Contained in this Volume:**

[D511-03 Standard Test Methods for Calcium and Magnesium In Water - \(View Full Text\)](#)

[D512-04 Standard Test Methods for Chloride Ion In Water - \(View Full Text\)](#)

[D513-06 Standard Test Methods for Total and Dissolved Carbon Dioxide in Water - \(View Full Text\)](#)

[D516-02 Standard Test Method for Sulfate Ion in Water - \(View Full Text\)](#)

[D596-01\(2006\) Standard Guide for Reporting Results of Analysis of Water - \(View Full Text\)](#)

[D807-05 Standard Practice for Assessing the Tendency of Industrial Boiler Waters to Cause Embrittlement \(USBM Embrittlement Detector Method\) - \(View Full Text\)](#)

[D857-02 Standard Test Method for Aluminum in Water - \(View Full Text\)](#)

[D858-02 Standard Test Methods for Manganese in Water - \(View Full Text\)](#)

[D859-05 Standard Test Method for Silica in Water - \(View Full Text\)](#)

[D888-05 Standard Test Methods for Dissolved Oxygen in Water - \(View Full Text\)](#)

[D1066-06 Standard Practice for Sampling Steam - \(View Full Text\)](#)

[D1067-06 Standard Test Methods for Acidity or Alkalinity of Water - \(View Full Text\)](#)

[D1068-05e1 Standard Test Methods for Iron in Water - \(View Full Text\)](#)

[D1125-95\(2005\) Standard Test Methods for Electrical Conductivity and Resistivity of Water - \(View Full Text\)](#)

[D1126-02 Standard Test Method for Hardness in Water - \(View Full Text\)](#)

[D1129-06a Standard Terminology Relating to Water - \(View Full Text\)](#)

[D1179-04 Standard Test Methods for Fluoride Ion in Water - \(View Full Text\)](#)

[D1193-06 Standard Specification for Reagent Water - \(View Full Text\)](#)

[D1246-05 Standard Test Method for Bromide Ion in Water - \(View Full Text\)](#)

[D1253-03 Standard Test Method for Residual Chlorine in Water - \(View Full Text\)](#)

[D1292-05 Standard Test Method for Odor in Water - \(View Full Text\)](#)

[D1293-99\(2005\) Standard Test Methods for pH of Water - \(View Full Text\)](#)

[D1385-01 Standard Test Method for Hydrazine in Water - \(View Full Text\)](#)

[D1426-03 Standard Test Methods for Ammonia Nitrogen In Water - \(View Full Text\)](#)

[D1429-03 Standard Test Methods for Specific Gravity of Water and Brine - \(View Full Text\)](#)

[D1498-00 Standard Practice for Oxidation-Reduction Potential of Water - \(View Full Text\)](#)

[D1687-02 Standard Test Methods for Chromium in Water - \(View Full Text\)](#)

[D1688-02 Standard Test Methods for Copper in Water - \(View Full Text\)](#)

[D1691-02 Standard Test Methods for Zinc in Water - \(View Full Text\)](#)

[D1886-03 Standard Test Methods for Nickel in Water - \(View Full Text\)](#)

[D1889-00 Standard Test Method for Turbidity of Water - \(View Full Text\)](#)

[D1941-91\(2001\) Standard Test Method for Open Channel Flow Measurement of Water with the Parshall Flume - \(View Full Text\)](#)

[D1971-02\(2006\) Standard Practices for Digestion of Water Samples for Determination of Metals by Flame Atomic Absorption, Graphite Furnace Atomic Absorption, Plasma Emission Spectroscopy, or Plasma Mass Spectrometry - \(View Full Text\)](#)

[D1976-02 Standard Test Method for Elements in Water by Inductively-Coupled Argon Plasma Atomic Emission Spectroscopy - \(View Full Text\)](#)

[D2688-05 Standard Test Methods for Corrosivity of Water in the Absence of Heat Transfer \(Weight Loss Methods\) - \(View Full Text\)](#)

[D2777-06 Standard Practice for Determination of Precision and Bias of Applicable Test Methods of Committee D19 on Water - \(View Full Text\)](#)

[D2791-07 Standard Test Method for On-line Determination of Sodium in Water - \(View Full Text\)](#)

[D2972-03 Standard Test Methods for Arsenic in Water - \(View Full Text\)](#)

[D3082-03 Standard Test Method for Boron In Water - \(View Full Text\)](#)

[D3223-02 Standard Test Method for Total Mercury in Water - \(View Full Text\)](#)

[D3370-95a\(2003\)e1 Standard Practices for Sampling Water from Closed Conduits - \(View Full Text\)](#)

[D3372-02 Standard Test Method for Molybdenum in Water - \(View Full Text\)](#)

[D3373-03 Standard Test Method for Vanadium in Water - \(View Full Text\)](#)

[D3557-02 Standard Test Methods for Cadmium in Water - \(View Full Text\)](#)

[D3558-03 Standard Test Methods for Cobalt in Water - \(View Full Text\)](#)

[D3559-03 Standard Test Methods for Lead in Water - \(View Full Text\)](#)

[D3645-03 Standard Test Methods for Beryllium in Water - \(View Full Text\)](#)

[D3697-02 Standard Test Method for Antimony in Water - \(View Full Text\)](#)

[D3856-95\(2006\) Standard Guide for Good Laboratory Practices in Laboratories Engaged in Sampling and Analysis of Water - \(View Full Text\)](#)

[D3858-95\(2003\) Standard Test Method for Open-Channel Flow Measurement of Water by Velocity-Area Method - \(View Full Text\)](#)

[D3859-03 Standard Test Methods for Selenium in Water - \(View Full Text\)](#)

[D3864-06 Standard Guide for Continual On-Line Monitoring Systems for Water Analysis - \(View Full Text\)](#)

[D3866-02 Standard Test Methods for Silver in Water - \(View Full Text\)](#)

[D3867-04 Standard Test Methods for Nitrite-Nitrate in Water - \(View Full Text\)](#)

[D3919-04 Standard Practice for Measuring Trace Elements in Water by Graphite Furnace Atomic Absorption Spectrophotometry - \(View Full Text\)](#)

[D3920-02 Standard Test Method for Strontium in Water - \(View Full Text\)](#)

[D4127-06 Standard Terminology Used with Ion-Selective Electrodes - \(View Full Text\)](#)

[D4188-82\(2003\) Standard Practice for Performing Pressure In-Line Coagulation-Flocculation-Filtration Test - \(View Full Text\)](#)

[D4189-95\(2002\) Standard Test Method for Silt Density Index \(SDI\) of Water - \(View Full Text\)](#)

[D4190-03 Standard Test Method for Elements in Water by Direct-Current Argon Plasma Atomic Emission Spectroscopy - \(View Full Text\)](#)

[D4191-03 Standard Test Method for Sodium in Water by Atomic Absorption Spectrophotometry - \(View Full Text\)](#)

[D4192-03 Standard Test Method for Potassium in Water by Atomic Absorption Spectrophotometry - \(View Full Text\)](#)

[D4309-02 Standard Practice for Sample Digestion Using Closed Vessel Microwave Heating Technique for the Determination of Total Metals in Water - \(View Full Text\)](#)

[D4327-03 Standard Test Method for Anions in Water by Chemically Suppressed Ion Chromatography - \(View Full Text\)](#)

[D4375-96\(2006\) Standard Practice for Basic Statistics in Committee D-19 on Water - \(View Full Text\)](#)

[D4382-02 Standard Test Method for Barium in Water, Atomic Absorption Spectrophotometry, Graphite Furnace - \(View Full Text\)](#)

[D4409-95\(2003\) Standard Test Method for Velocity Measurements of Water in Open Channels with Rotating Element Current Meters - \(View Full Text\)](#)

[D4410-03 Terminology for Fluvial Sediment - \(View Full Text\)](#)

[D4453-02\(2006\) Standard Practice for Handling of Ultra-Pure Water Samples - \(View Full Text\)](#)

[D4519-94\(2005\) Standard Test Method for On-Line Determination of Anions and Carbon Dioxide in High Purity Water by Cation Exchange and Degassed Cation Conductivity - \(View Full Text\)](#)

[D4638-03 Standard Guide for Preparation of Biological Samples for Inorganic Chemical Analysis - \(View Full Text\)](#)

[D4658-03 Standard Test Method for Sulfide Ion in Water - \(View Full Text\)](#)

[D4691-02 Standard Practice for Measuring Elements in Water by Flame Atomic Absorption Spectrophotometry - \(View Full Text\)](#)

[D4778-05 Standard Test Method for Determination of Corrosion and Fouling Tendency of Cooling Water Under Heat Transfer Conditions - \(View Full Text\)](#)

[D4840-99\(2004\) Standard Guide for Sampling Chain-of-Custody Procedures - \(View Full Text\)](#)

[D4841-88\(2003\) Standard Practice for Estimation of Holding Time for Water Samples Containing Organic and Inorganic Constituents - \(View Full Text\)](#)

[D5089-95\(2003\) Standard Test Method for Velocity Measurements of Water in Open Channels with Electromagnetic Current Meters - \(View Full Text\)](#)

[D5127-99 Standard Guide for Ultra Pure Water Used in the Electronics and Semiconductor Industry - \(View Full Text\)](#)

[D5128-90\(2005\) Standard Test Method for On-Line pH Measurement of Water of Low Conductivity - \(View Full Text\)](#)

[D5129-95\(2003\) Standard Test Method for Open Channel Flow Measurement of Water Indirectly by Using Width Contractions - \(View Full Text\)](#)

[D5130-95\(2003\) Standard Test Method for Open-Channel Flow Measurement of Water Indirectly by Slope-Area Method - \(View Full Text\)](#)

[D5172-91\(2004\) Standard Guide for Documenting the Standard Operating Procedures Used for the Analysis of Water - \(View Full Text\)](#)

[D5173-97\(2001\) Standard Test Method for On-Line Monitoring of Carbon Compounds in Water by Chemical Oxidation, by UV Light Oxidation, by Both or by High Temperature Combustion Followed by Gas Phase NDIR or by Electrolytic Conductivity - \(View Full Text\)](#)

[D5196-06 Standard Guide for Bio-Applications Grade Water - \(View Full Text\)](#)

[D5242-92\(2001\) Standard Test Method for Open-Channel Flow Measurement of Water with Thin-Plate Weirs - \(View Full Text\)](#)

[D5243-92\(2001\) Standard Test Method for Open-Channel Flow Measurement of Water Indirectly at Culverts - \(View Full Text\)](#)

[D5257-03 Standard Test Method for Dissolved Hexavalent Chromium in Water by Ion Chromatography - \(View Full Text\)](#)

[D5387-93\(2002\) Standard Guide for Elements of a Complete Data Set for Non-Cohesive Sediments - \(View Full Text\)](#)

[D5388-93\(2002\) Standard Test Method for Indirect Measurements of Discharge by Step-Backwater Method - \(View Full Text\)](#)

[D5389-93\(2002\) Standard Test Method for Open-Channel Flow Measurement by Acoustic Velocity Meter Systems - \(View Full Text\)](#)

[D5390-93\(2002\) Standard Test Method for Open-Channel Flow Measurement of Water with Palmer-Bowlus Flumes - \(View Full Text\)](#)

[D5391-99\(2005\) Standard Test Method for Electrical Conductivity and Resistivity of a Flowing High Purity Water Sample - \(View Full Text\)](#)

[D5463-03 Standard Guide for Use of Test Kits to Measure Inorganic Constituents in Water - \(View Full Text\)](#)

[D5464-93\(2001\) Standard Test Methods for pH Measurement of Water of Low Conductivity - \(View Full Text\)](#)

[D5540-94a\(2003\) Standard Practice for Flow Control and Temperature Control for On-Line Water Sampling and Analysis - \(View Full Text\)](#)

[D5541-94\(2003\) Standard Practice for Developing a Stage-Discharge Relation for Open Channel Flow - \(View Full Text\)](#)

[D5542-04 Standard Test Methods for Trace Anions in High Purity Water by Ion Chromatography - \(View Full Text\)](#)

[D5543-94\(2005\) Standard Test Methods for Low-Level Dissolved Oxygen in Water - \(View Full Text\)](#)

[D5544-05 Standard Test Method for On-Line Measurement of Residue After Evaporation of High-Purity Water - \(View Full Text\)](#)

[D5612-94\(2003\) Standard Guide for Quality Planning and Field Implementation of a Water Quality Measurement Program - \(View Full Text\)](#)

[D5810-96\(2006\) Standard Guide for Spiking into Aqueous Samples - \(View Full Text\)](#)

[D5851-95\(2006\) Standard Guide for Planning and Implementing a Water Monitoring Program - \(View Full Text\)](#)

[D5905-98\(2003\) Standard Practice for the Preparation of Substitute Wastewater - \(View Full Text\)](#)

[D5906-02 Standard Guide for Measuring Horizontal Positioning During Measurements of Surface Water Depths - \(View Full Text\)](#)

[D5907-03 Standard Test Method for Filterable and Nonfilterable Matter in Water - \(View Full Text\)](#)

[D5996-05 Standard Test Method for Measuring Anionic Contaminants in High-Purity Water by On-Line Ion Chromatography - \(View Full Text\)](#)

[D5997-96\(2005\) Standard Test Method for On-Line Monitoring of Total Carbon, Inorganic Carbon in Water by Ultraviolet, Persulfate Oxidation, and Membrane Conductivity Detection - \(View Full Text\)](#)

[D6071-06 Standard Test Method for Low Level Sodium in High Purity Water by Graphite Furnace Atomic Absorption Spectroscopy - \(View Full Text\)](#)

[D6091-03 Standard Practice for 99 %/95 % Interlaboratory Detection Estimate \(IDE\) for Analytical Methods with Negligible Calibration Error - \(View Full Text\)](#)

[D6145-97\(2002\) Standard Guide for Monitoring Sediment in Watersheds - \(View Full Text\)](#)

[D6146-97\(2002\) Standard Guide for Monitoring Aqueous Nutrients in Watersheds - \(View Full Text\)](#)

[D6301-03 Standard Practice for the Collection of Samples of Filterable and Nonfilterable Matter in Water - \(View Full Text\)](#)

[D6317-98\(2004\) Standard Test Method for Low Level Determination of Total Carbon, Inorganic Carbon and Organic Carbon in Water by Ultraviolet, Persulfate Oxidation, and Membrane Conductivity Detection - \(View Full Text\)](#)

[D6318-03 Standard Practice for Calibrating a Fathometer Using a Bar Check Method - \(View Full Text\)](#)

[D6326-98\(2003\) Standard Practice for The Selection of Maximum Transit-Rate Ratios and Depths for the U.S. Series of Isokinetic Suspended-Sediment Samplers - \(View Full Text\)](#)

[D6362-98\(2003\) Standard Practice for Certificates of Reference Materials for Water Analysis - \(View Full Text\)](#)

[D6501-04 Standard Test Method for Phosphonate in Brines - \(View Full Text\)](#)

[D6502-99\(2003\) Standard Test Method for On-Line Measurement of Low Level Particulate and Dissolved Metals in Water by X-Ray Fluorescence \(XRF\) - \(View Full Text\)](#)

[D6504-00 Standard Practice for On-Line Determination of Cation Conductivity in High Purity Water - \(View Full Text\)](#)

[D6512-03 Standard Practice for Interlaboratory Quantitation Estimate - \(View Full Text\)](#)

[D6568-00\(2006\) Standard Guide for Planning, Carrying Out, and Reporting Traceable Chemical Analyses of Water Samples - \(View Full Text\)](#)

[D6569-05 Standard Test Method for On-Line Measurement of pH<sup>1</sup> - \(View Full Text\)](#)

[D6581-00\(2005\) Standard Test Method for Bromate, Bromide, Chlorate, and Chlorite in Drinking Water by Chemically Suppressed Ion Chromatography - \(View Full Text\)](#)

[D6689-01\(2006\) Standard Guide for Optimizing, Controlling and Reporting Test Method Uncertainties from Multiple Workstations in the Same Laboratory Organization - \(View Full Text\)](#)

[D6698-01 Standard Test Method for On-Line Measurement of Turbidity Below 5 NTU in Water - \(View Full Text\)](#)

[D6764-02 Standard Guide for Collection of Water Temperature, Dissolved-Oxygen Concentrations, Specific Electrical Conductance, and pH Data from Open Channels - \(View Full Text\)](#)

[D6808-02 Standard Practice for Competency Requirements of Reference Material Producers for Water Analysis - \(View Full Text\)](#)

[D6855-03 Standard Test Method for Determination of Turbidity Below 5 NTU in Static Mode - \(View Full Text\)](#)

[D7126-06 Standard Test Method for On-Line Colorimetric Measurement of Silica - \(View Full Text\)](#)

[F660-83\(2002\)e1 Standard Practice for Comparing Particle Size in the Use of Alternative Types of Particle Counters - \(View Full Text\)](#)

[R0022- Proposed Methods Prepared by Committee D19 and Published as Information \(This is not an ASTM standard; available as PDF, only\) - \(View Full Text\)](#)

[R0023- List of Committee D19 Withdrawn and Superseded Standards \(This is not an ASTM standard\) - \(View Full Text\)](#)

[SI Quick Reference Guide: International System of Units \(SI\) - \*The Modern Metric System\* - \(View Full Text\)](#)

### **Withdrawn Standards**

D1192 Standard Guide for Equipment for Sampling Water and Steam in Closed Conduits (Withdrawn 2003) No Replacement