

ASTM Volume 14.04, July 2018

Laboratory Apparatus; Degradation of Materials; SI; Oxygen Fire Safety

D2512-17 Standard Test Method for Compatibility of Materials with Liquid Oxygen (Impact Sensitivity Threshold and Pass-Fail Techniques)

E41-92(2010) Terminology Relating to Conditioning

E95-68(2016) Standard Specification for Cell-Type Oven with Controlled Rates of Ventilation

E123-02(2018) Standard Specification for Apparatus for Determination of Water by Distillation

E124-94(2016) Standard Specification for Weighing and Drying Apparatus for Microchemical Analysis

E128-99(2011) Standard Test Method for Maximum Pore Diameter and Permeability of Rigid Porous Filters for Laboratory Use

E133-92(2016) Standard Specification for Distillation Equipment

E144-14 Standard Practice for Safe Use of Oxygen Combustion Vessels

E145-94(2011) Standard Specification for Gravity-Convection and Forced-Ventilation Ovens

E147-61(2017) Standard Specification for Apparatus for Microdetermination of Nitrogen by Kjeldahl Method

E191-64(2017) Standard Specification for Apparatus For Microdetermination of Carbon and Hydrogen in Organic and Organo-Metallic Compounds

E193-94(2017) Standard Specification for Laboratory Glass Micropipets

E205-96(2016) Standard Specification for Glass and Oxygen Combustion Flask

E210-63(2016) Standard Specification for Microscope Objective Thread

E211-82(2016) Standard Specification for Cover Glasses and Glass Slides for Use in Microscopy

E236-66(2017) Standard Specification for Apparatus for Microdetermination of Alkoxy Groups

E237-02(2012) Standard Specification for Laboratory Glass Microvolumetric Vessels (Volumetric Flasks and Centrifuge Tubes)

E287-02(2012) Standard Specification for Laboratory Glass Graduated Burets

E288-10(2017) Standard Specification for Laboratory Glass Volumetric Flasks

E319-85(2014) Standard Practice for the Evaluation of Single-Pan Mechanical Balances

E438-92(2018) Standard Specification for Glasses in Laboratory Apparatus

E542-01(2012) Standard Practice for Calibration of Laboratory Volumetric Apparatus

E617-13 Standard Specification for Laboratory Weights and Precision Mass Standards

E671-98(2016) Standard Specification for Maximum Permissible Thermal Residual Stress in Annealed Glass Laboratory Apparatus

E672-87(2011) Standard Specification for Disposable Glass Micropipets

E675-02(2012) Standard Specification for Interchangeable Taper-Ground Stopcocks And Stoppers

E676-02(2012) Standard Specification for Interchangeable Taper-Ground Joints

E677-94(2016) Standard Specification for Interchangeable Spherical Ground Joints

E694-18 Standard Specification for Laboratory Glass Volumetric Apparatus

E714-94(2015) Standard Specification for Disposable Glass Serological Pipets

E715-80(2016) Standard Specification for Gravity-Convection and Forced-Circulation Water Baths

E732-80(2018) Standard Specification for Disposable Pasteur-Type Pipet

E734-80(2015) Standard Specification for Disposable Glass Blood Sample Capillary Tube (Microhematocrit)

E784-89(2017) Standard Specification for Clamps, Utility, Laboratory, and Holders, Buret and Clamp

E785-81(2017) Standard Specification for Crucibles, Ignition, Laboratory, Metal

E786-81(2017) Standard Specification for Dishes, Evaporating, Platinum

E787-81(2017) Standard Specification for Disposable Glass Micro Blood Collection Pipets

E788-97(2013) Standard Specification for Pipet, Blood Diluting

E816-15 Standard Test Method for Calibration of Pyrheliometers by Comparison to Reference Pyrheliometers

E824-10 Standard Test Method for Transfer of Calibration From Reference to Field Radiometers

E832-81(2013) Standard Specification for Laboratory Filter Papers

E890-94(2015) Standard Specification for Disposable Glass Culture Tubes

E898-88(2013) Standard Test Method of Testing Top-Loading, Direct-Reading Laboratory Scales and Balances

E911-98(2015) Standard Specification for Glass Stopcocks with Polytetrafluoroethylene (PTFE) Plugs

E920-97(2013) Standard Specification for Commercially Packaged Laboratory Apparatus

E921-97(2016) Standard Specification for Export Packaged Laboratory Apparatus

E923-97(2013) Standard Specification for Glass Westergren Tube, Reusable

E934-94(2015) Standard Specification for Serological Pipet, Disposable Plastic

E960-93(2013) Standard Specification for Laboratory Glass Beakers

E961-97(2013) Standard Specification for Blood Sedimentation Tube, Wintrobe, Glass, Reusable

E969-02(2012) Standard Specification for Glass Volumetric (Transfer) Pipets

E982-94(2015) Standard Specification for Laboratory Glass Test Tubes

E1043-00(2016) Standard Specification for Pipets, Milk and Cream Examination

E1044-96(2018) Standard Specification for Glass Serological Pipets (General Purpose and Kahn)

E1045-00(2016) Standard Specification for Pipet, Sahli Hemoglobin

E1046-85(2015) Standard Specification for Glass Westergren Tube, Disposable

E1047-85(2015) Standard Specification for Blood Sedimentation Tube, Wintrobe, Glass, Disposable

E1048-88(2015) Standard Specification for Color-Coding Pipets or Containers Coated With Anticoagulants

E1092-91(2016) Standard Specification for Glass Micro Folin Pipet, Disposable

E1093-91(2012) Standard Specification for Glass Prothrombin Pipet, Disposable

E1094-04(2015) Standard Specification for Pharmaceutical Glass Graduates

E1095-99(2016) Standard Specification for Common Laboratory Glass Funnels

E1096-86(2018) Standard Specification for Laboratory Glass Separatory Funnels

E1133-86(2016) Standard Practice for Performance Testing of Packaged Laboratory Apparatus for United States Government Procurements

E1154-14 Standard Specification for Piston or Plunger Operated Volumetric Apparatus

E1157-87(2011) Standard Specification for Sampling and Testing of Reusable Laboratory Glassware

E1189-00(2016) Standard Specification for Micro-Burets (Koch Style)

E1270-88(2014) Standard Test Method for Equal Arm Balances

E1272-02(2012) Standard Specification for Laboratory Glass Graduated Cylinders

E1273-88(2013) Standard Specification for Color Coding of Reusable Laboratory Pipets

E1292-94(2016) Standard Specification for Gravity Convection and Forced Ventilation Incubators

E1293-02(2012) Standard Specification for Glass Measuring Pipets

E1377-99(2016) Standard Specification for Laboratory Glass Kjeldahl Flasks

E1378-99(2016) Standard Specification for Laboratory Glass Multiple Neck Distilling/Boiling Flasks

E1379-90(2016) Standard Specification for Laboratory Glass Dewar Flask

E1380-90(2015) Standard Specification for Color Coding of Laboratory Pipets with Multiple Graduations, 0.1 mL and Larger, But Excluding Disposable Prothrombin and Disposable Micropipets

E1403-97(2013) Standard Specification for Laboratory Glass Boiling Flasks

E1404-94(2013) Standard Specification for Laboratory Glass Conical Flasks

E1405-98(2016) Standard Specification for Laboratory Glass Distillation Flasks

E1406-95(2016) Standard Specification for Laboratory Glass Filter Flasks

E1522-93(2013) Standard Specification for Autoclavable Protective Coatings on Laboratory Glassware

E1878-97(2013) Standard Specification for Laboratory Glass Volumetric Flasks, Special Use

G7/G7M-13 Standard Practice for Atmospheric Environmental Exposure Testing of Nonmetallic Materials

G21-15 Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi

G24-13 Standard Practice for Conducting Exposures to Daylight Filtered Through Glass

G29-16 Standard Practice for Determining Algal Resistance of Polymeric Films

G63-15 Standard Guide for Evaluating Nonmetallic Materials for Oxygen Service

G72/G72M-15 Standard Test Method for Autogenous Ignition Temperature of Liquids and Solids in a High-Pressure Oxygen-Enriched Environment

G74-13 Standard Test Method for Ignition Sensitivity of Nonmetallic Materials and Components by Gaseous Fluid Impact

G86-17 Standard Test Method for Determining Ignition Sensitivity of Materials to Mechanical Impact in Ambient Liquid Oxygen and Pressurized Liquid and Gaseous Oxygen Environments

G88-13 Standard Guide for Designing Systems for Oxygen Service

G90-17 Standard Practice for Performing Accelerated Outdoor Weathering of Materials Using Concentrated Natural Sunlight

G93-03(2011) Standard Practice for Cleaning Methods and Cleanliness Levels for Material and Equipment Used in Oxygen-Enriched Environments

G94-05(2014) Standard Guide for Evaluating Metals for Oxygen Service

G113-16 Standard Terminology Relating to Natural and Artificial Weathering Tests of Nonmetallic Materials

G114-14 Standard Practices for Evaluating the Age Resistance of Polymeric Materials Used in Oxygen Service

G120-15 Standard Practice for Determination of Soluble Residual Contamination by Soxhlet Extraction

G121-98(2015)e1 Standard Practice for Preparation of Contaminated Test Coupons for the Evaluation of Cleaning Agents

G122-96(2015)e1 Standard Test Method for Evaluating the Effectiveness of Cleaning Agents

G124-10 Standard Test Method for Determining the Combustion Behavior of Metallic Materials in Oxygen-Enriched Atmospheres

G125-00(2015) Standard Test Method for Measuring Liquid and Solid Material Fire Limits in Gaseous Oxidants

G126-16 Standard Terminology Relating to the Compatibility and Sensitivity of Materials in Oxygen Enriched Atmospheres

G127-15 Standard Guide for the Selection of Cleaning Agents for Oxygen-Enriched Systems

G128/G128M-15 Standard Guide for Control of Hazards and Risks in Oxygen Enriched Systems

G130-12 Standard Test Method for Calibration of Narrow- and Broad-Band Ultraviolet Radiometers Using a Spectroradiometer

G131-96(2016)e1 Standard Practice for Cleaning of Materials and Components by Ultrasonic Techniques

G136-03(2016)e1 Standard Practice for Determination of Soluble Residual Contaminants in Materials by Ultrasonic Extraction

G138-12 Standard Test Method for Calibration of a Spectroradiometer Using a Standard Source of Irradiance

G141-09(2013) Standard Guide for Addressing Variability in Exposure Testing of Nonmetallic Materials

G144-01(2014) Standard Test Method for Determination of Residual Contamination of Materials and Components by Total Carbon Analysis Using a High Temperature Combustion Analyzer

G145-08(2016) Standard Guide for Studying Fire Incidents in Oxygen Systems

G147-17 Standard Practice for Conditioning and Handling of Nonmetallic Materials for Natural and Artificial Weathering Tests

G151-10 Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources

G152-13 Standard Practice for Operating Open Flame Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials

G153-13 Standard Practice for Operating Enclosed Carbon Arc Light Apparatus for Exposure of Nonmetallic Materials

G154-16 Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Nonmetallic Materials

G155-13 Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials

G156-17 Standard Practice for Selecting and Characterizing Weathering Reference Materials

G160-12 Standard Practice for Evaluating Microbial Susceptibility of Nonmetallic Materials By Laboratory Soil Burial

G166-00(2011) Standard Guide for Statistical Analysis of Service Life Data

G167-15 Standard Test Method for Calibration of a Pyranometer Using a Pyrheliometer

G169-01(2013) Standard Guide for Application of Basic Statistical Methods to Weathering Tests

G172-02(2010)e1 Standard Guide for Statistical Analysis of Accelerated Service Life Data

G173-03(2012) Standard Tables for Reference Solar Spectral Irradiances: Direct Normal and Hemispherical on 37° Tilted Surface

G175-13 Standard Test Method for Evaluating the Ignition Sensitivity and Fault Tolerance of Oxygen Pressure Regulators Used for Medical and Emergency Applications

G177-03(2012) Standard Tables for Reference Solar Ultraviolet Spectral Distributions: Hemispherical on 37° Tilted Surface

G178-16 Standard Practice for Determining the Activation Spectrum of a Material (Wavelength Sensitivity to an Exposure Source) Using the Sharp Cut-On Filter or Spectrographic Technique

G179-04(2011) Standard Specification for Metal Black Panel and White Panel Temperature Devices for Natural Weathering Tests

G183-15 Standard Practice for Field Use of Pyranometers, Pyrheliometers and UV Radiometers

G197-14 Standard Table for Reference Solar Spectral Distributions: Direct and Diffuse on 20° Tilted and Vertical Surfaces

G201-16 Standard Practice for Conducting Exposures in Outdoor Glass-Covered Exposure Apparatus with Air Circulation

G207-11 Standard Test Method for Indoor Transfer of Calibration from Reference to Field Pyranometers

G213-17 Standard Guide for Evaluating Uncertainty in Calibration and Field Measurements of Broadband Irradiance with Pyranometers and Pyrheliometers

G214-16 Standard Test Method for Integration of Digital Spectral Data for Weathering and Durability Applications

SI10-16 IEEE/ASTM SI 10 American National Standard for Metric Practice