

ASTM Volume 14.02, July 2025

E2451-21 Standard Practice for Preserving Ignitable Liquids and Ignitable Liquid Residue Extracts from Fire Debris Samples

E3315-21 Standard Specification for Certification of Metallic Materials

E3235-21 Standard Practice for Latent Print Evidence Imaging Resolution

E2776-20 Standard Guide for Correlation of Results of Solid Particle Size Measurement Instruments

E2123-20 Standard Practice for Preservation of Evidence in Sexual Violence Investigation

E1588-20 Standard Practice for Gunshot Residue Analysis by Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry

E3247-20 Standard Test Method for Measuring the Size of Nanoparticles in Aqueous Media Using Dynamic Light Scattering

E2124-20 Standard Specification for Equipment and Supplies in Sexual Violence Investigations

E3001-20 Standard Practice for Workforce Education in Nanotechnology Characterization

E2996-20 Standard Guide for Workforce Education in Nanotechnology Health and Safety

E1843-20 Standard Guide for Sexual Violence Investigation, Examination, and Evidence Collection Protocol

E3034-20 Standard Guide for Workforce Education in Nanotechnology Pattern Generation

E620-18 Standard Practice for Reporting Opinions of Scientific or Technical Experts

E3144-19 Standard Guide for Reporting the Physical and Chemical Characteristics of Nano-Objects

E1967-19 Standard Test Method for the Automated Determination of Refractive Index of Glass Samples Using the Oil Immersion Method and a Phase Contrast Microscope

E3260-21 Standard Guide for Forensic Examination and Comparison of Pressure Sensitive Tapes

E3255-21 Standard Practice for Quality Assurance of Forensic Science Service Providers Performing Forensic Chemical Analysis

E3275-21 Standard Guide for Visualization and Identification of Nanomaterials in Biological and Nonbiological Matrices Using Darkfield Microscopy/Hyperspectral Imaging (DFM/HSI) Analysis

E3269-21 Standard Test Method for Determination of the Mass Fraction of Particle-Bound Gold in Colloidal Gold Suspensions

E2998-16 Standard Practice for Characterization and Classification of Smokeless Powder

E2292-21 Standard Guide for Field Investigation of Carbon Monoxide Poisoning Incidents

E2926-17 Standard Test Method for Forensic Comparison of Glass Using Micro X-ray Fluorescence (μ -XRF) Spectrometry

E3085-17 Standard Guide for Fourier Transform Infrared Spectroscopy in Forensic Tape Examinations

E1492-11(2017) Standard Practice for Receiving, Documenting, Storing, and Retrieving Evidence in a Forensic Science Laboratory

E3171-21a Standard Test Method for Determination of Total Silver in Textiles by ICP-OES or ICP-MS Analysis

E2324-04(2017) Standard Guide for PDD Paired Testing

E2063-12(2017) Standard Practice for Calibration and Functionality Checks Used in Forensic Psychophysiological Detection of Deception (Polygraph) Examinations

E2062-11(2017) Standard Guide for PDD Examination Standards of Practice

E1954-05(2017) Standard Practice for Conduct of Research in Psychophysiological Detection of Deception (Polygraph)

E2386-04(2017) Standard Guide for Conduct of PDD Screening Examinations

E2329-17 Standard Practice for Identification of Seized Drugs

E2999-17 Standard Test Method for Analysis of Organic Compounds in Smokeless Powder by Gas Chromatography-Mass Spectrometry and Fourier Transform Infrared Spectroscopy

E2808-21a Standard Guide for Microspectrophotometry in Forensic Paint Analysis

E2229-09(2018) Standard Practices for Interpretation of Psychophysiological Detection of Deception (Polygraph) Data

E1610-18 Standard Guide for Forensic Paint Analysis and Comparison

E2937-18 Standard Guide for Using Infrared Spectroscopy in Forensic Paint Examinations

E2713-18 Standard Guide to Forensic Engineering

E3016-18 Standard Guide for Establishing Confidence in Digital and Multimedia Evidence Forensic Results by Error Mitigation Analysis

E2881-18 Standard Test Method for Extraction and Derivatization of Vegetable Oils and Fats from Fire Debris and Liquid Samples with Analysis by Gas Chromatography-Mass Spectrometry

E3149-18 Standard Guide for Facial Image Comparison Feature List for Morphological Analysis

E2535-07(2018) Standard Guide for Handling Unbound Engineered Nanoscale Particles in Occupational Settings

E2651-19 Standard Guide for Powder Particle Size Analysis

E2997-16 Standard Test Method for Analysis of Biodiesel Products by Gas Chromatography-Mass Spectrometry

E2916-19e1 Standard Terminology for Digital and Multimedia Evidence Examination

E3189-19 Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Static Headspace Concentration onto an Adsorbent Tube

E1413-19 Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Dynamic Headspace Concentration onto an Adsorbent Tube

E3017-19 Standard Practice for Examining Magnetic Card Readers

E2882-19 Standard Guide for Analysis of Clandestine Drug Laboratory Evidence

E1618-19 Standard Test Method for Ignitable Liquid Residues in Extracts from Fire Debris Samples by Gas Chromatography-Mass Spectrometry

E1412-19 Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Passive Headspace Concentration with Activated Charcoal

E3206-19 Standard Guide for Reporting the Physical and Chemical Characteristics of a Collection of Nano-Objects

E2125-19 Standard Practice for Microcrystal Testing in Forensic Analysis for Phencyclidine and Its Analogues

E1969-19 Standard Practice for Microcrystal Testing in Forensic Analysis for Methamphetamine and Amphetamine

E3238-20 Standard Test Method for Quantitative Measurement of the Chemoattractant Capacity of a Nanoparticulate Material in vitro

E1968-19 Standard Practice for Microcrystal Testing in Forensic Analysis for Cocaine

E2330-19 Standard Test Method for Determination of Concentrations of Elements in Glass Samples Using Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for Forensic Comparisons

E1260-03(2020) Standard Test Method for Determining Liquid Drop Size Characteristics in a Spray Using Optical Nonimaging Light-Scattering Instruments

E799-03(2020)e1 Standard Practice for Determining Data Criteria and Processing for Liquid Drop Size Analysis

E3278-21 Standard Test Method for Bubble Point Pressure of Woven Wire Filter Cloth

E3233-20 Standard Practice for Forensic Tape Analysis Training Program

E323-11(2021) Standard Specification for Perforated-Plate Sieves for Testing Purposes

E161-17(2021) Standard Specification for Electroformed Material and Test Sieves

E454-12(2021) Standard Specification for Industrial Perforated Plate and Screens (Square Opening Series)

E674-12(2021) Standard Specification for Industrial Perforated Plate and Screens (Round Opening Series)

E3234-20 Standard Practice for Forensic Paint Analysis Training Program

E3220-20 Standard Guide for Characterization of Graphene Flakes

E3245-20e1 Standard Guide for Systematic Approach to the Extraction, Analysis, and Classification of Ignitable Liquids and Ignitable Liquid Residues in Fire Debris Samples

E2456-06(2020) Standard Terminology Relating to Nanotechnology

E3172-18 Standard Guide for Reporting Production Information and Data for Nano-Objects

E2490-09(2021) Standard Guide for Measurement of Particle Size Distribution of Nanomaterials in Suspension by Photon Correlation Spectroscopy (PCS)

E3196-21 Standard Terminology Relating to the Examination of Explosives

E3309-21 Standard Guide for Reporting of Forensic Primer Gunshot Residue (pGSR) Analysis by Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry (SEM/EDS)

E2825-21 Standard Guide for Forensic Digital Image Processing

E3253-21 Standard Practice for Establishing an Examination Scheme for Intact Explosives

E3296-22 Standard Guide for Using Pyrolysis Gas Chromatography and Pyrolysis Gas Chromatography-Mass Spectrometry in Forensic Polymer Examinations

E1458-12(2022) Standard Test Method for Calibration Verification of Laser Diffraction Particle Sizing Instruments Using Photomask Reticles

E1620-97(2022) Standard Terminology Relating to Liquid Particles and Atomization

E3338-22 Standard Guide for Size and Shape of Solid Particles, Liquid Droplets, and Gas Bubbles, Dynamically Conveyed, Using a Dynamic Imaging Analyzer

E3324-22 Standard Test Method for Lipid Quantitation in Liposomal Formulations Using Ultra-High-Performance Liquid Chromatography (UHPLC) with Triple Quadrupole Mass Spectrometry (TQMS)

E3297-21 Standard Test Method for Lipid Quantitation in Liposomal Formulations Using High Performance Liquid Chromatography (HPLC) with a Charged Aerosol Detector (CAD)

E3071-22 Standard Guide for Nanotechnology Workforce Education in Materials Synthesis and Processing

E3059-22 Standard Guide for Workforce Education in Nanotechnology Infrastructure

E3089-22 Standard Guide for Nanotechnology Workforce Education in Material Properties and Effects of Size

E2016-22 Standard Specification for Industrial Woven Wire Cloth

E2814-22 Standard Specification for Industrial Woven Wire Filter Cloth

E2809-22 Standard Guide for Using Scanning Electron Microscopy/Energy Dispersive X-Ray Spectroscopy (SEM/EDS) in Forensic Polymer Examinations

E3340-22 Standard Guide for Development of Laser Diffraction Particle Size Analysis Methods for Powder Materials

E2427-22 Standard Test Method for Acceptance by Performance Testing for Test Sieves

E3351-22 Standard Test Method for Detection of Nitric Oxide Production In Vitro

E2526-22 Standard Test Method for Evaluation of Cytotoxicity of Nanoparticulate Materials in Porcine Kidney Cells and Human Hepatocarcinoma Cells

E2525-22 Standard Test Method for Evaluation of the Effect of Nanoparticulate Materials on the Formation of Mouse Granulocyte-Macrophage Colonies

E541-22 Standard Specification for Agencies Engaged in System Analysis and Compliance Assurance for Manufactured Building

E651/E651M-22 Standard Practice for Evaluating Capabilities of Agencies Involved in System Analysis and Compliance Assurance for Manufactured Building

E2578-07(2022) Standard Practice for Calculation of Mean Sizes/Diameters and Standard Deviations of Particle Size Distributions

E2834-12(2022) Standard Guide for Measurement of Particle Size Distribution of Nanomaterials in Suspension by Nanoparticle Tracking Analysis (NTA)

E2865-12(2022) Standard Guide for Measurement of Electrophoretic Mobility and Zeta Potential of Nanosized Biological Materials

E3316-22 Standard Guide for Forensic Examination of Hair by Microscopy

E2524-22 Standard Test Method for Analysis of Hemolytic Properties of Nanoparticles

E3329-21e1 Standard Practice for Establishing an Examination Scheme for Explosive Residues

E3323-22 Standard Test Method for Lipid Quantitation in Liposomal Formulations Using High Performance Liquid Chromatography (HPLC) with an Evaporative Light-Scattering Detector (ELSD)

E2864-18(2022) Standard Test Method for Measurement of Airborne Metal Oxide Nanoparticle Surface Area Concentration in Inhalation Exposure Chambers using Krypton Gas Adsorption

E3025-22 Standard Guide for Tiered Approach to Detection and Characterization of Silver Nanomaterials in Textiles

E1638-22 Standard Terminology Relating to Sieves, Sieving Methods, and Screening Media

E3115-17(2023) Standard Guide for Capturing Facial Images for Use with Facial Recognition Systems

E3148-18(2023) Standard Guide for Postmortem Facial Image Capture

E2225-23 Standard Guide for Forensic Examination of Fabrics and Cordage

E2228-23a Standard Guide for Microscopical Examination of Textile Fibers

E3254-23 Standard Practice for Use of Color in the Visual Examination and Forensic Comparison of Soil Samples

E2227-23e1 Standard Guide for Forensic Examination of Dyes in Textile Fibers by Thin-Layer Chromatography

E860-22 Standard Practice for Examining and Preparing Items That Are or May Become Involved in Criminal or Civil Litigation

E3197-23 Standard Terminology Relating to Examination of Fire Debris

E1386-23 Standard Practice for Separation of Ignitable Liquid Residues from Fire Debris Samples by Solvent Extraction

E3295-23 Standard Guide for Using Micro X-Ray Fluorescence (μ -XRF) in Forensic Polymer Examinations

E2859-11(2023) Standard Guide for Size Measurement of Nanoparticles Using Atomic Force Microscopy

E3143-18b(2023) Standard Practice for Performing Cryo-Transmission Electron Microscopy of Liposomes

E2224-23ae1 Standard Guide for Forensic Analysis of Fibers by Infrared Spectroscopy

E2589-23a Standard Terminology Relating to Nonsieving Methods of Powder Characterization

E3175-23 Standard Practice for Training in the Forensic Examination of Hair by Microscopy

E3284-23 Standard Practice for Training in the Forensic Examination of Primer Gunshot Residue (pGSR) Using Scanning Electron Microscopy/Energy Dispersive X-Ray Spectrometry (SEM/EDS)

E3272-23 Standard Guide for Collection of Soils and Other Geological Evidence for Criminal Forensic Applications

E2057-23 Standard Specifications for Preparation of Laboratory Analysis Requests in Sexual Violence Investigations

E1188-23 Standard Practice for Collection and Preservation of Information and Physical Items by a Technical Investigator

E3294-23 Standard Guide for Forensic Analysis of Geological Materials by Powder X-Ray Diffraction

E3150-18(2023) Standard Guide for Forensic Audio Laboratory Setup and Maintenance

E2159-23 Standard Guide for Selection, Assignment, and Monitoring of Persons To Be Utilized as Assessors/Auditors or Technical Experts

E2927-23 Standard Test Method for Determination of Trace Elements in Soda-Lime Glass Samples Using Laser Ablation Inductively Coupled Plasma Mass Spectrometry for Forensic Comparisons

E2035-12(2024) Standard Terminology Relating to Forensic Psychophysiology

E3392-24 Standard Guide for Forensic Physical Fit Examination

E3391-24 Standard Terminology Relating to Gunshot Residue Analysis (GSR)

E3427-24 Standard Guide for Measuring Intensity, Polydispersity, Size, Zeta Potential, Molecular Weight, and Concentration of Nanoparticles in Liquid Suspension Using Laser-Amplified Detection/Power Spectrum Analysis (LAD/PSA) Technology

E3409-24 Standard Test Method for Analysis of Liposomal Drug Formulations Using Multidetector Asymmetrical-Flow Field-Flow Fractionation

E1617-09(2024) Standard Practice for Reporting Particle Size Characterization Data

E2849-18(2024) Standard Practice for Professional Certification Performance Testing

E2872-14(2024) Standard Guide for Determining Cross-Section Averaged Characteristics of a Spray Using Laser-Diffraction Instruments in a Wind Tunnel Apparatus

E1388-24 Standard Practice for Static Headspace Sampling of Vapors from Fire Debris Samples

E3176-24 Standard Guide for Forensic Engineering Expert Reports

E2917-24a Standard Practice for Forensic Science Practitioner Training, Continuing Education, and Professional Development Programs

E11-24 Standard Specification for Woven Wire Test Sieve Cloth and Test Sieves

E2708-24 Standard Terminology for Accreditation and Certification

E2659-18(2024) Standard Practice for Certificate Programs

E1459-24 Standard Practice for Physical Evidence Labeling and Related Documentation

E3416-24 Standard Practice for Competency-based Work-based Learning Programs

E3423-24 Standard Guide for Forensic Analysis of Explosives By Polarized Light Microscopy

E3406-24 Standard Guide for Microspectrophotometry in Forensic Fiber Analysis

E3307-24 Standard Practice for the Collection and Preservation of Organic Gunshot Residue (OGSR)

E1732-24e1 Standard Terminology Relating to Forensic Science

E3445-24 Standard Practice for Image Processing to Improve Automated Facial Recognition Search Performance

E2980-24 Standard Test Methods for Estimating Average Particle Size of Powders Using Air Permeability

E2833-12(2025) Standard Practice for Certification Bodies that Certify Personnel Engaged in Inspection and Testing of Construction Activities and Materials Used in Construction, Including Special Inspection