

ASTM Volume 11.08, August 2018

Pesticides, Antimicrobials, and Alternative Control Agents; Hazardous Substances and Oil Spill Response

E549-87(2014) Standard Guide for Preparing Field Sprayer Calibration Procedures

E550-87(2014) Standard Guide for Preparing Granular Pesticide Ground Applicator Calibration Procedures

E609-16 Standard Terminology Relating to Pesticides

E640-06(2012) Standard Test Method for Preservatives in Water-Containing Cosmetics

E641-01(2012)e1 Standard Methods for Testing Hydraulic Spray Nozzles Used in Agriculture

E642-91(2014) Standard Practice for Determining Application Rates and Distribution Patterns from Aerial Application Equipment

E645-13 Standard Practice for Evaluation of Microbicides Used in Cooling Water Systems

E723-13 Standard Practice for Evaluation of Antimicrobials as Preservatives for Aqueous-Based Products Used in the Paper Industry (Bacterial Spoilage)

E725-96(2012) Standard Test Method for Sampling Granular Carriers and Granular Pesticides

E726-01(2015) Standard Test Method for Particle Size Distribution of Granular Carriers and Granular Pesticides

E727/E727M-08(2013) Standard Test Methods for Determining Bulk Density of Granular Carriers and Granular Pesticides

E728-91(2015) Standard Test Method for Resistance to Attrition of Granular Carriers and Granular Pesticides

E875-15 Standard Practice for Evaluation of Fungal Control Agents as Preservatives for Aqueous-Based Products Used in the Paper Industry

E979-09(2015) Standard Practice for Evaluation of Antimicrobial Agents as Preservatives for Invert Emulsion and Other Water Containing Hydraulic Fluids

E1052-11 Standard Test Method to Assess the Activity of Microbicides against Viruses in Suspension

E1053-11 Standard Test Method to Assess Virucidal Activity of Chemicals Intended for Disinfection of Inanimate, Nonporous Environmental Surfaces

E1054-08(2013) Standard Test Methods for Evaluation of Inactivators of Antimicrobial Agents

E1102-91(2015) Standard Terminology Relating to Agricultural Chemical Application

E1115-11(2017) Standard Test Method for Evaluation of Surgical Hand Scrub Formulations

E1116-98(2014) Standard Test Method for Emulsification Characteristics of Pesticide Emulsifiable Concentrates

E1153-14 Standard Test Method for Efficacy of Sanitizers Recommended for Inanimate, Hard, Nonporous Non-Food Contact Surfaces

E1173-15 Standard Test Method for Evaluation of Preoperative, Precatheterization, or Preinjection Skin Preparations

E1174-13 Standard Test Method for Evaluation of the Effectiveness of Health Care Personnel Handwash Formulations

E1259-16 Standard Practice for Evaluation of Antimicrobials in Liquid Fuels Boiling Below 390°C

E1326-15a Standard Guide for Evaluating Non-culture Microbiological Tests

E1327-07(2012)e1 Standard Test Method for Evaluation of Antimicrobial Handwash Formulations by Utilizing Fingernail Regions

E1428-15a Standard Test Method for Evaluating the Performance of Antimicrobials in or on Polymeric Solids Against Staining by *Streptomyces species* (A Pink Stain Organism)

E1482-12(2017) Standard Practice for Use of Gel Filtration Columns for Cytotoxicity Reduction and Neutralization

E1518-05(2012) Standard Practice for Evaluation of Physical Compatibility of Pesticides in Aqueous Tank Mixtures by the Dynamic Shaker Method

E1519-16 Standard Terminology Relating to Agricultural Tank Mix Adjuvants

E1520-99(2015) Standard Test Method for Particle Counts Per Pound of Granular Carriers and Dry-Applied Granular Formulations

E1521-14 Standard Test Method for Liquid Holding Capacity of Granular Carriers

E1589-05(2015) Standard Test Method for Evaluation of First Aid Antiseptic Drug Products

E1673-96(2017) Standard Test Method for Percent Suspensibility

E1766-15 Standard Test Method for Determination of Effectiveness of Sterilization Processes for Reusable Medical Devices

E1837-96(2014) Standard Test Method to Determine Efficacy of Disinfection Processes for Reusable Medical Devices (Simulated Use Test)

E1838-17 Standard Test Method for Determining the Virus-Eliminating Effectiveness of Hygienic Handwash and Handrub Agents Using the Fingerpads of Adults

E1839-13 Standard Test Method for Efficacy of Slimicides for the Paper Industry—Bacterial and Fungal Slime

E1874-14 Standard Test Method for Recovery of Microorganisms From Skin using the Cup Scrub Technique

E1882-10 Standard Test Method for Evaluation of Antimicrobial Formulations by the Agar Patch Technique

E1883-02(2015) Standard Test Method for Assessment of an Antibacterial Handwash Product by Multiple Basin Wash Technique

E1891-10a(2015) Standard Guide for Determination of a Survival Curve for Antimicrobial Agents Against Selected Microorganisms and Calculation of a D-Value and Concentration Coefficient

E1910/E1910M-15 Standard Test Method for Agricultural pH Control Agents, Measurement of pH Change and Buffering Capacity

E1945-02(2016) Standard Test Method for Percent Dispersibility

E2011-13 Standard Test Method for Evaluation of Hygienic Handwash and Handrub Formulations for Virus-Eliminating Activity Using the Entire Hand

E2043-99(2017) Standard Test Method for Nonvolatile Matter of Agricultural Adjuvant Solutions by Thermogravimetry

E2044-99(2012) Standard Test Method for Spreading of Liquid Agricultural Spray Mixtures

E2111-12 Standard Quantitative Carrier Test Method to Evaluate the Bactericidal, Fungicidal, Mycobactericidal, and Sporicidal Potencies of Liquid Chemicals

E2149-13a Standard Test Method for Determining the Antimicrobial Activity of Antimicrobial Agents Under Dynamic Contact Conditions

E2180-18 Standard Test Method for Determining the Activity of Incorporated Antimicrobial Agent(s) In Polymeric or Hydrophobic Materials

E2196-17 Standard Test Method for Quantification of *Pseudomonas aeruginosa* Biofilm Grown with Medium Shear and Continuous Flow Using Rotating Disk Reactor

E2197-17e1 Standard Quantitative Disk Carrier Test Method for Determining Bactericidal, Virucidal, Fungicidal, Mycobactericidal, and Sporicidal Activities of Chemicals

E2198-10 Specification for *Phytoseiulus persimilis* Athias-Henriot (*Acarina:Phytoseiidae*)

E2274-16 Standard Test Method for Evaluation of Laundry Sanitizers and Disinfectants

E2275-14 Standard Practice for Evaluating Water-Miscible Metalworking Fluid Bioresistance and Antimicrobial Pesticide Performance

E2276-10 Standard Test Method for Determining the Bacteria-Eliminating Effectiveness of Hygienic Handwash and Handrub Agents Using the Fingerpads of Adults

E2314-03(2014) Standard Test Method for Determination of Effectiveness of Cleaning Processes for Reusable Medical Instruments Using a Microbiologic Method (Simulated Use Test)

E2315-16 Standard Guide for Assessment of Antimicrobial Activity Using a Time-Kill Procedure

E2316-14 Standard Test Method for Determination of Particles Resulting from the Attrition of Granular Pesticides

E2360-04(2010) Specification for *Cryptolaemus montrouzieri* Mulsant (Coleoptera: Coccinellidae)

E2361-13 Standard Guide for Testing Leave-On Products Using In-Situ Methods

E2362-15 Standard Practice for Evaluation of Pre-saturated or Impregnated Towelettes for Hard Surface Disinfection

E2406-16 Standard Test Method for Evaluation of Laundry Sanitizers and Disinfectants for Use in High Efficiency Washing Operations

E2407-04(2015) Standard Test Method for Effectiveness of Defoaming Agents

E2408-04(2015) Standard Test Method for Relative Extensional Viscosity of Agricultural Spray Tank Mixes

E2471-05(2016) Standard Test Method for Using Seeded-Agar for the Screening Assessment of Antimicrobial Activity In Carpets

E2562-17 Standard Test Method for Quantification of *Pseudomonas aeruginosa* Biofilm Grown with High Shear and Continuous Flow using CDC Biofilm Reactor

E2613-14 Standard Test Method for Determining Fungus-Eliminating Effectiveness of Hygienic Handwash and Handrub Agents Using Fingerpads of Adults

E2614-15 Standard Guide for Evaluation of Cleanroom Disinfectants

E2647-13 Standard Test Method for Quantification of *Pseudomonas aeruginosa* Biofilm Grown Using Drip Flow Biofilm Reactor with Low Shear and Continuous Flow

E2686-09(2015) Standard Test Method for Volatile Organic Compound (VOC) Solvents Absorbed/Adsorbed By Simulated Soil Impacted by Pesticide Emulsifiable Concentrate (EC) Applications

E2720-16 Standard Practice for Evaluation of Effectiveness of Decontamination Procedures for Air-Permeable Materials when Challenged with Biological Aerosols Containing Human Pathogenic Viruses

E2721-16 Standard Practice for Evaluation of Effectiveness of Decontamination Procedures for Surfaces When Challenged with Droplets Containing Human Pathogenic Viruses

E2722-14 Standard Test Method for Using Seeded-Agar for the Screening Assessment of Antimicrobial Activity in Fabric and Air Filter Media

E2752-10(2015) Standard Guide for Evaluation of Residual Effectiveness of Antibacterial Personal Cleansing Products

E2753-10 Standard Specification for *Eretmocerus eremicus* Rose and Zolnerowich (*Hymenoptera: Aphelinidae*)

E2754-10 Standard Specification for *Delphastus catalinae* (Horn) (Coleoptera:Coccinellidae)

E2755-15 Standard Test Method for Determining the Bacteria-Eliminating Effectiveness of Healthcare Personnel Hand Rub Formulations Using Hands of Adults

E2756-18 Standard Terminology Relating to Antimicrobial and Antiviral Agents

E2783-11(2016) Standard Test Method for Assessment of Antimicrobial Activity for Water Miscible Compounds Using a Time-Kill Procedure

E2784-10(2015) Standard Test Method for Evaluation of the Effectiveness of Handwash Formulations Using the Paper Towel (Palmar) Method of Hand Contamination

E2798-11 Standard Test Method for Characterization of Performance of Pesticide Spray Drift Reduction Adjuvants for Ground Application

E2799-17 Standard Test Method for Testing Disinfectant Efficacy against *Pseudomonas aeruginosa* Biofilm using the MBEC Assay

E2839-11 Standard Test Method for Production of *Clostridium difficile* Spores for Use in Efficacy Evaluation of Antimicrobial Agents

E2870-13 Standard Test Method for Evaluating Relative Effectiveness of Antimicrobial Handwashing Formulations using the Palmar Surface and Mechanical Hand Sampling

E2871-13 Standard Test Method for Evaluating Disinfectant Efficacy Against *Pseudomonas aeruginosa* Biofilm Grown in CDC Biofilm Reactor Using Single Tube Method

E2880-16b Standard Terminology Related to Biorationals

E2894-13 Standard Test Method for Applying Aerosolized *Bacillus* Spores as Dry Inocula to Inanimate Surfaces

E2895-13 Standard Test Method for Producing High Titers of Viable and Semi-Purified Spores of *Clostridium difficile* using a Liquid Medium

E2896-12 Standard Test Method for Quantitative Petri Plate Method (QPM) for Determining the Effectiveness of Antimicrobial Towelettes

E2897-12(2017) Standard Guide for Evaluation of the Effectiveness of Hand Hygiene Topical Antimicrobial Products using ex vivo Porcine Skin

E2922-15 Standard Guide for The Use of Standard Test Methods and Practices for Evaluating Antibacterial Activity on Textiles

E2945-14 Standard Test Method for Film Permeability Determination Using Static Permeability Cells

E2946-13 Standard Test Method for Determining the Bacteria-Reducing Effectiveness of Food-Handler Handwash Formulations Using Hands of Adults

E2966-14 Standard Test Method for Quantitative Assessment of Sanitizing Solutions for Carpet

E2967-15 Standard Test Method for Assessing the Ability of Pre-wetted Towelettes to Remove and Transfer Bacterial Contamination on Hard, Non-Porous Environmental Surfaces Using the Wiperator

E3011-15 Standard Test Method for In vitro production of Clostridium DifficileSpores

E3031-15 Standard Test Method for Determination of Antibacterial Activity on Ceramic Surfaces

E3058-16 Standard Test Method for Determining the Residual Kill Activity of Hand Antiseptic Formulations

E3092-18 Standard Practice for Evaluating Efficacy of Vaporous Decontaminants on Materials Contaminated with Bacillus Spores and Contained Within 0.2µm Filter-Capped Tubes

E3135-18 Standard Practice for Determining Antimicrobial Efficacy of Ultraviolet Germicidal Irradiation Against Microorganisms on Carriers with Simulated Soil

E3151-18 Standard Test Method for Determining Antimicrobial Activity and Biofilm Resistance Properties of Tube, Yarn, or Fiber Specimens

E3152-18 Standard Guide for Standard Test Methods and Practices Available for Determining Antifungal Activity on Natural or Synthetic Substrates Treated with Antimicrobial Agents

E3160-18 Standard Test Method for Quantitative Evaluation of the Antibacterial Properties of Porous Antibacterial Treated Articles

E3161-18 Standard Practice for Preparing a Pseudomonas aeruginosa or Staphylococcus aureus Biofilm using the CDC Biofilm Reactor

E3162-18 Standard Practice Measuring the Durability of Antibacterial Agents Applied to Textiles under Simulated Home Laundering Conditions

F625/F625M-94(2017) Standard Practice for Classifying Water Bodies for Spill Control Systems

F631-15 Standard Guide for Collecting Skimmer Performance Data in Controlled Environments

F715-07(2018) Standard Test Methods for Coated Fabrics Used for Oil Spill Control and Storage

F716-09 Standard Test Methods for Sorbent Performance of Absorbents

F726-17 Standard Test Method for Sorbent Performance of Adsorbents for use on Crude Oil and Related Spills

F818-16 Standard Terminology Relating to Spill Response Booms and Barriers

F962-04(2010) Standard Specification for Oil Spill Response Boom Connection: Z-Connector

F1011-07(2013) Standard Guide for Developing a Hazardous Materials Training Curriculum for Initial Response Personnel

F1084-08(2013) Standard Guide for Sampling Oil/Water Mixtures for Oil Spill Recovery Equipment

F1093-99(2018) Standard Test Methods for Tensile Strength Characteristics of Oil Spill Response Boom

F1127-07(2013) Standard Guide for Containment of Hazardous Material Spills by Emergency Response Personnel

F1129/F1129M-12 Standard Guide for Using Aqueous Foams to Control the Vapor Hazard from Immiscible Volatile Liquids

F1209-14 Standard Guide for Ecological Considerations for the Use of Oil Spill Dispersants in Freshwater and Other Inland Environments, Ponds and Sloughs

F1210-14 Standard Guide for Ecological Considerations for the Use of Oil Spill Dispersants in Freshwater and Other Inland Environments, Lakes and Large Water Bodies

F1231-14 Standard Guide for Ecological Considerations for the Use of Oil Spill Dispersants in Freshwater and Other Inland Environments, Rivers and Creeks

F1279-08(2014) Standard Guide for Ecological Considerations for the Restriction of the Use of Surface Washing Agents: Permeable Land Surfaces

F1280-14 Standard Guide for Ecological Considerations for the Use of Surface Washing Agents: Impermeable Surfaces

F1413-07(2013) Standard Guide for Oil Spill Dispersant Application Equipment: Boom and Nozzle Systems

F1460-07(2013) Standard Practice for Calibrating Oil Spill Dispersant Application Equipment Boom and Nozzle Systems

F1523-94(2013) Standard Guide for Selection of Booms in Accordance With Water Body Classifications

F1524-95(2013) Standard Guide for Use of Advanced Oxidation Process for the Mitigation of Chemical Spills

F1599-95(2014) Standard Guide for Collecting Performance Data on Temporary Storage Devices

F1607-95(2013) Standard Guide for Reporting of Test Performance Data for Oil Spill Response Pumps

F1657/F1657M-96(2018) Standard Practice for Emergency Joining of Booms with Incompatible Connectors

F1686-16 Standard Guide for Surveys to Document and Assess Oiling Conditions

F1687-16 Standard Guide for Terminology and Indices to Describe Oiling Conditions on Shorelines

F1693-17 Standard Guide for Consideration of Bioremediation as an Oil Spill Response Method on Land

F1737/F1737M-15 Standard Guide for Use of Oil Spill Dispersant Application Equipment During Spill Response: Boom and Nozzle Systems

F1738-15 Standard Test Method for Determination of Deposition of Aerially Applied Oil Spill Dispersants

F1778-97(2016) Standard Guide for Selection of Skimmers for Oil-Spill Response

F1779-08(2014) Standard Practice for Reporting Visual Observations of Oil on Water

F1780-97(2010) Standard Guide for Estimating Oil Spill Recovery System Effectiveness

F1788-14 Standard Guide for In-Situ Burning of Oil Spills on Water: Environmental and Operational Considerations

F1872-17 Standard Guide for Use of Chemical Shoreline Cleaning Agents: Environmental and Operational Considerations

F1990-07(2013) Standard Guide for In-Situ Burning of Spilled Oil: Ignition Devices

F2008-00(2018) Standard Guide for Qualitative Observations of Skimmer Performance

F2059-17 Standard Test Method for Laboratory Oil Spill Dispersant Effectiveness Using the Swirling Flask

F2067-13 Standard Practice for Development and Use of Oil-Spill Trajectory Models

F2084/F2084M-01(2018) Standard Guide for Collecting Containment Boom Performance Data in Controlled Environments

F2152-07(2013) Standard Guide for In-Situ Burning of Spilled Oil: Fire-Resistant Boom

F2204/F2204M-16 Standard Guide for Describing Shoreline and Inland Response Techniques

F2205-07(2013) Standard Guide for Ecological Considerations for the Use of Chemical Dispersants in Oil Spill Response: Tropical Environments

F2230-14 Standard Guide for In-situ Burning of Oil Spills on Water: Ice Conditions

F2327-15 Standard Guide for Selection of Airborne Remote Sensing Systems for Detection and Monitoring of Oil on Water

F2438-04(2017) Standard Specification for Oil Spill Response Boom Connection: Slide Connector

F2464-12 Standard Guide for Cleaning of Various Oiled Shorelines and Habitats

F2465/F2465M-05(2016) Standard Guide for Oil Spill Dispersant Application Equipment: Single-point Spray Systems

F2532-13 Standard Guide for Determining Net Environmental Benefit of Dispersant Use

F2533-07(2013) Standard Guide for In-Situ Burning of Oil in Ships or Other Vessels

F2534-17 Standard Guide for Visually Estimating Oil Spill Thickness on Water

F2682-07(2018) Standard Guide for Determining the Buoyancy to Weight Ratio of Oil Spill Containment Boom

F2683-11(2017) Standard Guide for Selection of Booms for Oil-Spill Response

F2709-15 Standard Test Method for Determining a Measured Nameplate Recovery Rate of Stationary Oil Skimmer Systems

F2823-15 Standard Guide for In-Situ Burning of Oil Spills in Marshes

F2926-18 Standard Guide for Selection and Operation of Vessel-mounted Camera Systems

F3045-15e1 Standard Test Method for Evaluation of the Type and Viscoelastic Stability of Water-in-oil Mixtures Formed from Crude Oil and Petroleum Products Mixed with Water

F3195-16 Standard Guide for Estimating the Volume of Oil Consumed in an In-Situ Burn

F3251-17 Standard Test Method for Laboratory Oil Spill Dispersant Effectiveness Using the Baffled Flask