

Changes in AATCC Test Methods

The following changes have been made in AATCC test methods since publication of the 2009 edition of the TECHNICAL MANUAL. The copy deadline for changes in the 2010 edition was May 2009.

Global Editorial Change to AATCC Test Methods. Web sites of sources listed in AATCC test methods, if known, were added editorially.

8-2007, Colorfastness to Crocking: Crockmeter Method. Editorially revised to correct the tolerances for Crockmeter Test Cloth in 13.5.

15-2009, Colorfastness to Perspiration. Revised to provide consistency within three methods (15, 106 and 107) regarding multifiber use, specimen preparation and sewing of multifiber.

20-2007, Fiber Analysis: Qualitative. Editorially revised to delete lyocell from Man-Made Fibers list and add the reference to ISO 2076 in the Development Statement.

20A-2008, Fiber Analysis: Quantitative. Editorially revised to add reference to ISO 1833 in the Development Statement and to correct Equation 2 in 14.4.

26-2009, Ageing of Sulfur-Dyed Textiles: Accelerated. Reaffirmed and editorially revised to delete 8.2 as an option to determine degree of deterioration by the cuprammonium fluidity test.

27-2009, Wetting Agents: Evaluation of Rewetting Agents. Reaffirmed.

28-2004, Insect Pest Deterrents on Textiles. Withdrawn in its entirety due to lack of use in the industry.

35-2006, Water Resistance: Rain Test. Editorially revised to add the ISO reference in the Development Statement.

42-2007, Water Resistance: Impact Penetration Test. Editorially revised to add ISO reference in the Development Statement.

43-2009, Wetting Agents for Mercerization. Reaffirmed.

61-2009, Colorfastness to Laundering: Accelerated. Revised to add a cold hand wash test as Option 1B and to add as an alternate the use of rubber balls instead of stainless steel balls.

70-2005, Water Repellency: Tumble Jar Dynamic Absorption Test. Editorially revised to add the ISO reference in the Development Statement.

89-2008, Mercerization in Cotton. Editorially revised to indicate in the Development Statement that this method has been transferred to the jurisdiction of AATCC Committee RA34, Preparation Test Methods from Committee RA66, Mercerization Test Methods as RA66 has been disbanded.

92-2009, Chlorine, Retained, Tensile Loss: Single Sample Method. Reaffirmed.

96-2009, Dimensional Changes in Commercial Laundering of Woven and Knitted Fabrics Except Wool. Reaffirmed.

97-2009, Extractable Content of Textiles. Revised (with a title change) to be used for determining the amount of water, enzyme and organic-solvent extractable matter of cellulose and other fiber types in their greige and/or prepared state of processing. The revised method also changes the solvent from 1,1,1 trichloroethane (TCE) to hexanes because TCE is an ozone depleter and can no longer be manufactured. The reasons for changing to hexanes include reasonable cost, environmental safety, and fewer concerns about worker exposure as compared to other solvents. Although hexanes are flammable, they do not pose an extreme hazard when handled properly. However, since some labs may have concerns about flammability, please note that this method has an option (refer to 11.1) for alternative solvents. A precision and bias statement has also been added.

100-2004, Antibacterial Finishes on Textile Materials: Assessment of. Editorially revised to correct Equation 3 in 11.2.

101-2009, Colorfastness to Bleaching with Hydrogen Peroxide. Reaffirmed and editorially revised to correct formulae in Table I.

103-2009, Bacterial Alpha-Amylase Enzymes used in Desizing, Assay of. Reaffirmed.

106-2009, Colorfastness to Water: Sea. Revised to provide consistency within three methods (15, 106 and 107) regarding multifiber use, specimen preparation and sewing of multifiber.

107-2009, Colorfastness to Water. Revised to provide consistency within three methods (15, 106 and 107) regarding multifiber use, specimen preparation and sewing of multifiber.

111-2009, Weather Resistance of Textiles: Exposure to Daylight and Weather. Reaffirmed and editorially revised to add references to ASTM methods.

117-2009, Colorfastness to Heat: Dry (Excluding Pressing). Reaffirmed and editorially revised to correct sample of testing temperature in 7.2.

119-2009, Color Change Due to Flat Abrasion (Frosting): Screen Wire Method. Reaffirmed.

120-2009, Color Change Due to Flat Abrasion (Frosting): Emery Method. Reaffirmed.

122-2009, Carpet Soiling: Service Soiling Method. Revised to simplify specimen mounting and rotation and to add the synthetic soil preparation from TM 123 (see below) as Appendix A.

123-2000, Carpet Soiling: Accelerated Soiling Method. Withdrawn in its entirety because of lack of use in the industry. However the synthetic soil preparation was added to TM 122 (see above).

124-2009, Smoothness Appearance of Fabrics after Repeated Home Laundering. Revised to include new language to allow the use of digital imaging systems and to include a title change.

125-2009, Colorfastness to Perspiration and Light. Reaffirmed and editorially revised to add ISO reference in Development Statement.

128-2009, Wrinkle Recovery of Fabrics: Appearance Method. Revised to include new language to allow the use of digital imaging systems and to note in 1.2 that the method can be used to evaluate fabrics in their original, unwashed state *or* after home laundering.

132-2009, Colorfastness to Drycleaning. Reaffirmed and editorially revised to correct ISO reference in Development Statement.

133-2009, Colorfastness to Heat: Hot Pressing. Reaffirmed and editorially revised to correct sample of testing temperature in 7.2.

136-2009, Bond Strength of Bonded and Laminated Fabrics. Reaffirmed and editorially changed to correct conditioning temperature in 8.1.

141-2009, Compatibility of Basic Dyes for Acrylic Fibers. Reaffirmed.

162-2009, Colorfastness to Water: Chlorinated Pool. Reaffirmed.

165-2008, Colorfastness to Crocking: Textile Floor Coverings—Crockmeter Method. Editorially revised to correct the tolerances for Crockmeter Test Cloth in 13.4.

169-2009, Weather Resistance of Textiles: Xenon Lamp Exposure. Reaffirmed and editorially revised to add references to ASTM methods.

173-2009, CMC: Calculation of Small Color Differences for Acceptability. Revised to delete “*Appendix A. Computer Program*” and “*Appendix B. Representative Test Data*” from the test method for the following reasons: (1) An error had been identified in the BASIC program code and no resource had been identified to correct the error (effort has been ongoing since May 2007); (2) Modern computer programs no longer utilize BASIC as a programming language; and (3) CMC calculations are being performed accurately by color

quality control computer programs readily available to the industry today.

176-2006, Speckiness of Colorant Dispersions: Evaluation of. Editorially revised to add ISO reference in Development Statement.

179-2004, Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering. Editorially revised to add ISO reference in Development Statement.

184-2005, Dusting Behavior of Dyes: Determination of. Editorially revised to correct ISO reference in Development Statement.

186-2009, Weather Resistance: UV Light and Moisture Exposure. Revised to add references to ASTM methods.

187-2009, Dimensional Changes of Fabrics: Accelerated. Reaffirmed and editorially revised to add ISO reference to Development Statement.

191-2009, Acid Cellulase Enzymes, Effect of: Top Loading Washer. Reaffirmed and editorially revised to correct name of ASTM method in 8.3.

192-2009, Weather Resistance of Textiles: Sunshine-Arc Lamp Exposure With and Without Wetting. Revised only to add references to ASTM methods.

195-2009, Liquid Moisture Management Properties of Textile Fabrics. NEW AATCC test method which provides for the measurement, evaluation and classification of liquid moisture management properties of textile fabrics. The test method produces objective measurements of some liquid moisture management properties of knitted, woven and non-woven textile fabrics. The results obtained with this test method were based on water resistance, water repellency and water absorption characteristics of the fabric structure, including the fabric’s geometric and internal structure and the wicking characteristics of its fibers and yarns. A Precision and Bias Statement has been included to provide clarity.

AATCC Evaluation Procedure 1-2007, Gray Scale for Color Change. Editorially revised to clarify the description of the color changes in colorfastness test (see 6.1).

AATCC Evaluation Procedure 7-2009, Instrumental Assessment of Change in Color of a Test Specimen. Reaffirmed.