

Changes in AATCC Test Methods for 2012 Manual

The following changes have been made in AATCC test methods since publication of the 2011 edition of the TECHNICAL MANUAL. The copy deadline for changes in the 2012 edition was May 2011.

6-2011, Colorfastness to Acids and Alkalis. Reaffirmed.

8-2007, Colorfastness to Crocking: Crockmeter Method. Editorially revised to add caution statement regarding not using the ISO crock cloth.

20-2011, Fiber Analysis: Qualitative. Revised to add, on behalf of the Cashmere and Camel Hair Manufacturer's Institute, a description of cashmere reflective of current U.S. Legislation with a change in Table I. A Differential Scanning Calorimeter was also added to the Apparatus Section and reference to the *Fiber Identification Supplement* to the Procedure Section.

20A-2011, Fiber Analysis: Quantitative. Revised to add two new chemical separations, Method 9-Alkaline Methanol and Method 10-Xylenes. As a result, additional chemicals were added to the Reagents Section and Tables I and II were modified. Also, an addition to the Uses and Limitations Section addresses moisture regain for commercial purposes.

76-2011, Electrical Surface Resistivity of Fabrics. Reaffirmed.

84-2011, Electrical Resistance of Yarns. Reaffirmed.

86-2011, Drycleaning: Durability of Applied Designs and Finishes. Reaffirmed and editorially revised in 10.5 to reflect source of drycleaning detergent.

88B-2011, Smoothness of Seams in Fabrics after Repeated Home Laundering. Revised to allow for the use of an 8 lb load option, and to better describe the reporting section of the method.

88C-2011, Retention of Creases in Fabrics after Repeated Home Laundering. Revised to allow for the use of an 8 lb load option, and to better describe the reporting section of the method.

90-2011, Antibacterial Activity Assessment of Textile Materials: Agar Plate Method. Reactivated/Revised. After having been removed from the AATCC TECHNICAL MANUAL in 1989 due to the fact that pertinent aspects of the agar plate method was incorporated in AATCC Method 147, Antibacterial Activity Assessment of Textile Materials: Parallel Streak Method, it was noted that ASTM cites Method 90 in their test method ASTM E 1115, Standard Test Method for Evaluation of Surgical Hand Scrub Formulations. In addition, it has been found that the agar plate method is beneficial when testing odd shape test samples, batting, fiber fill, etc. Method 90 is reactivated with the same title, but revised completely to adhere to today's industry needs.

93-2011, Abrasion Resistance of Fabrics: Accelerator Method. Reaffirmed and editorially revised to correct dimensions of the cotton fabric throughout the method from 80 × 80 to 78 × 76.

109-2011, Colorfastness to Ozone in the Atmosphere under Low Humidities. Revised to withdraw the control ribbon referenced in the method, and any mention thereof, since it is no longer available. Instead, it was approved to insert time and ppm to represent one cycle. The ozone exposures were expanded to 4.5 ± 1 ppm for 4.5 ± 1 hour.

110-2011, Whiteness of Textiles. Reaffirmed.

112-2008, Formaldehyde Release from Fabric, Determination of: Sealed Jar Method. Editorially revised to add water bath, with a description, under the Materials Section.

114-2011, Chlorine, Retained, Tensile Loss: Multiple Sample Method. Reaffirmed and editorially revised to delete specific descriptions of washing and drying machines and refer to a note directing them to the *Standardization of Home Laundry Test Conditions* Monograph in the AATCC TECHNICAL MANUAL.

115-2011, Electrostatic Clinging of Fabrics: Fabric-to-Metal Test. Reaffirmed.

116-2010, Colorfastness to Crocking: Rotary Vertical Crockmeter Method. Editorially revised to add caution statement regarding not using the ISO crock cloth.

124-2011, Smoothness Appearance of Fabrics after Repeated Home Laundering. Revised to allow for the use of an 8 lb load option, and to better describe the reporting section of the method.

129-2011, Colorfastness to Ozone in the Atmosphere under High Humidities. Revised to add a new precision and bias statement.

130-2010, Soil Release: Oily Stain Release Method. Editorially revised to add granular commercial detergent to 8.2 and change source of Mazola oil in 12.4.

131-2011, Colorfastness to Pleating: Steam Pleating. Reaffirmed.

134-2011, Electrostatic Propensity of Carpets. Revised to make the Step with Neolite Soles mandatory, with other portions optional. The rationale for this revision is the industry only issues warranties based on the Step Mode with Neolite.

140-2011, Dye and Pigment Migration in a Pad-Dry Process: Evaluation of. Reaffirmed.

142-2011, Appearance of Flocked Fabrics after Repeated Home Laundering and/or CoinOp Drycleaning. Reaffirmed.

143-2011, Appearance of Apparel and Other Textile End Products after Repeat Home Laundering. Revised to allow for the use of an 8 lb load option, and to better describe the reporting section of the method.

146-2011, Dispersibility of Disperse Dyes: Filter Test. Revised to move some of the notes to the text of the method to better understand all preparation and solutions.

147-2011, Antibacterial Activity Assessment of Textile Materials: Parallel Streak Method. Revised to combine Sections 7 and 8 into one Section 7 to bring the method into line with other RA31 methods.

154-2011, Thermal Fixation Properties of Disperse Dyes. Reaffirmed.

158-2011, Dimensional Changes on Drycleaning Perchloroethylene: Machine Method. Reaffirmed and editorially revised to correct volume of solvent in 9.1.2.

159-2011, Speckiness of Colorant Dispersions: Evaluation of. Revised to allow alternate spectrophotometric comparison of shade.

162-2011, Colorfastness to Water: Chlorinated Pool. Revised to incorporate an option for use of the accelerated laundering machine. Section 5.1 was changed to incorporate an option for the accelerated laundering machine, and the use of smaller canisters. In addition, Section 5.5 has been added to reference the test control fabric. The test control fabric has been removed from 5.2 for the Reagents Section. Section 7.1 has been added to reference the accelerated laundering machine. Section 8 has been subdivided into Solution Preparation, Option 1-Accelerated laundering tester, and Option 2-Drycleaning Cylinder tester, to define the solution preparation and outline the different solution requirements per each option listed. Section 10 outlines a NEW precision and bias statement based on the noted revisions.

163-2007, Colorfastness: Dye Transfer in Storage; Fabric-to-Fabric. Editorially revised to correct reference in 7.1.3.

165-2008, Colorfastness to Crocking: Textile Floor Coverings—Crockmeter Method. Editorially revised to add caution statement regarding not using the ISO crock cloth.

170-2011, Dusting Propensity of Powder Dyes: Evaluation of. Reaffirmed.

174-2011, Antimicrobial Activity Assessment of New Carpets. Revised to expound on Part I of the method on the materials, media and reagents needed, and in Part III to clarify the scoring scheme for observed growth. The revision also added 'NEW' to the title to indicate this method is for new carpets only.

176-2011, Speckiness of Colorant Dispersions: Evaluation of. Reaffirmed and editorially revised to correct fresh reducing solution in 8.14.1.

182-2011, Relative Color Strength of Dyes in Solution. Reaffirmed and editorially revised to add a reference in 5.1.

185-2011 Chelating Agents: Percent Content Hydrogen Peroxide Bleach Baths: Copper PAN Indicator Method. Reaffirmed.

187-2009, Dimensional Changes of Fabrics: Accelerated. Editorially revised to correct address of SDL Atlas in 14.1.

193-2007, Aqueous Liquid Repellency: Water/Alcohol Solution Resistance. Editorially revised to add to the development statement that this method is Technically equivalent to ISO 23232.

195-2011, Liquid Moisture Management Properties of Textile Fabrics. Revised to add in the Uses and Limitations Section that "AATCC test methods are not specifications and provide measurement only. It is the responsibility of the users to evaluate what value is acceptable for application." A new reference has also been added as 13.3.

196-2011, Colorfastness to Sodium Hypochlorite of a Textile Floor Covering. A completely NEW AATCC test methods developed to be used to determine the fastness of colored pile yarn floor coverings to the effects of a sodium hypochlorite solution. It is applicable to predyed, postdyed, printed, or other otherwise colored pile yarn floor coverings.

197-2011, Vertical Wicking of Textiles. A completely NEW AATCC method developed to evaluate the ability of vertically aligned fabric specimens to transport liquid along and/or through them, and is applicable to woven, knitted, or nonwoven fabrics.

198-2011, Horizontal Wicking of Textiles. A completely NEW AATCC method developed to evaluate the ability of horizontally aligned fabric specimens to transport liquid along and/or through them, and is applicable to woven, knitted, or nonwoven fabrics.

199-2011, Drying Time of Textiles: Moisture Analyzer Method. A completely NEW AATCC method developed to evaluate the drying time of knit, woven or nonwoven fabrics at an elevated temperature using a gravimetric moisture analyzer. By performing the test at non-standard textile testing conditions, it is possible to simulate drying at body temperature or to perform testing at temperatures that simulate conditions of use.

AATCC Evaluation Procedure 1-2007, Gray Scale for Color Change. Editorially revised to correct calculation in 7.1.

AATCC Evaluation Procedure 4-2011, Standard Depth Scales for Depth Determination. Revised to change the definition of "hue" to correspond with revised AATCC Evaluation Procedure 9 approved definition of "hue."

AATCC Evaluation Procedure 9-2011, Visual Assessment of Color Difference of Textiles. Revised. Major changes involved revision to several definitions; Section 5.2 updated conditions of the viewing environment; Section 5.4 updated the illuminated viewing area; and arrows were added to the direction of the light from the luminaire in Fig. 1.

Standardization of Home Laundry Test Conditions Monograph. Revised to update the introduction, to add new Tables IIA, the top loading washing machine parameters

without load for 2011, and remove those parameters prior to 1989 and 1989-1991.

ALL MONOGRAPHS LISTED IN THE AATCC TECHNICAL MANUAL. Beginning with the 2012 AATCC TECHNICAL MANUAL, the monographs have been numbered and referenced in the numerical, alphabetical and topical indexes in hopes that they will be easily located. Monographs can be accessed for free by going to our web site: www.aatcc.org.