

Volume 91, 2016



AATCC TECHNICAL MANUAL

AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS

P.O. Box 12215, Research Triangle Park, NC 27709, USA

Tel: +1.919.549.8141; Fax: +1.919.549.8933

Web Site: www.aatcc.org

Copyright © 2015 American Association of Textile Chemists and Colorists
ISBN 978-1-942323-01-3
Library of Congress Catalog Number: 85-647500

Copyright Permission: AATCC has contracted with Copyright Clearance Center Inc. (CCC) such that permission requests to photocopy or otherwise reproduce copyrighted material owned by AATCC for internal or personal use beyond the fair use provision of the Copyright Act should be submitted to CCC, tel: +1.978.750.8400; fax: +1.978.750.4470; web site: www.copyright.com; e-mail: info@copyright.com. Copying for other than internal or personal use without express permission of AATCC is prohibited. Address requests for customized bulk reprints to AATCC Bulk Reprints, P.O. Box 12215, Research Triangle Park, NC 27709-2215, tel: +1.919.549.8141; fax: +1.919.549.8933.



Association of Textile, Apparel & Materials Professionals

AATCC takes no position respecting the validity of any patent rights asserted in connection with any item mentioned in this test method. Users of this test method are expressly advised that determination of the validity of any such patent rights, and the risk of infringement of such rights, are entirely their own responsibility.

This test method is subject to revision at any time by the responsible technical committee and must be reviewed every five years and if not revised, either reaffirmed or withdrawn. Your comments are invited either for revision of this test method or for additional procedures and should be addressed to the AATCC Technical Center. Your comments will receive careful consideration at a meeting of the responsible technical committee, which you may attend. If you feel that your comments have not received a fair hearing, you should make your views known to Diana A. Wyman, Technical Director, at the address shown below.

This test method is copyrighted by AATCC, PO Box 12215, Research Triangle Park, NC 27709 USA. Individual reprints (single or multiple copies) of this method may be obtained by contacting AATCC at the above address or tel: 919-549-3526; fax: 919-549-8933, or e-mail: orders@aatcc.org.

AATCC License Agreement: This test method is copyrighted by the American Association of Textile Chemists and Colorists (AATCC), PO Box 12215, 1 Davis Drive, Research Triangle Park, NC USA. All rights reserved.

AATCC grants you a license as follows: The right to download one electronic file of this AATCC test method for temporary storage on one computer for purposes of viewing, and/or printing one copy of the AATCC test method for individual use. Neither the electronic file nor the hard copy print may be reproduced in any way. In addition, the electronic file may not be distributed elsewhere over computer networks or otherwise. The hard copy print may only be distributed to other employees for their internal use within your organization.

This test method is not for resale.

Table of Contents

Index of Test Methods	
Numerical Listing.....	5
Evaluation Procedures.....	8
Monographs.....	8
Discontinued Listing.....	8
Alphabetical Listing.....	11
Topical Listing.....	15
Changes in 2016 Technical Manual.....	19
Test Methods.....	20
Evaluation Procedures.....	417
Special Equipment and Materials.....	444
Monographs.....	446
A Glossary of AATCC Standard Terminology.....	461
AATCC Style Guide for Writing Test Methods.....	471
Rules of Procedure for AATCC Test Method and Technology Committees.....	478
AATCC Board of Directors and Administrative Committees.....	485
Research Committees.....	490
Reference Committees.....	497
AATCC Representatives on Committees of Other Organizations.....	498
Joint Report ECR/TCR.....	499
Reports of Research Committees.....	503
Roster of Corporate Members.....	505

Preface

THE test methods, evaluation procedures and monographs in this volume of the TECHNICAL MANUAL were current as of May 2015. New methods that have been added and other important changes made since the last volume are summarized on page 19.

AATCC test methods are developed by research committees through extensive investigations and interlaboratory comparisons, often covering several years of work. Simplicity, reproducibility, applicability, cost of performing the test and the time required to perform the test are all important considerations in each development. Before a method is published in the TECHNICAL MANUAL, it must be approved by the responsible research committee, reviewed by the Editorial Review Committee and approved by the Technical Committee on Research (TCR).

During the first three years of publication, each new test method is reviewed annually, at which time, on recommendation of the research committee and approval by TCR, it may be reaffirmed, revised or withdrawn. After the first three years, each method is reviewed at least once every five years by the research committee, and following approval by TCR, may be reaffirmed, revised or withdrawn. The record of these actions is published in an activity history at the beginning of each method.

An important feature of all AATCC test methods is that test results are numerically quantified as opposed to being reported as pass-fail. Test results are the basis for describing material or process characteristics that are not in themselves intended to be performance specifications. AATCC policy prohibits endorsement of such specifications.

Each test method is designated by a number followed by a date which indicates the year in which the method was issued, last revised or reaffirmed. The designation should be quoted in full in referring to a particular method. If the source of the method is not clear from the context of the reference, the designation should be preceded by AATCC, as for example, AATCC Test Method 100-2012, or simply AATCC TM100-2012.

The *AATCC Style Guide for Writing Test Methods* (page 471) is the defining document used by research committees in writing these methods. The *Rules of Procedure for AATCC Test Method and Technology Committees* (page 478) is the defining document for the organization and functioning of these research committees.

Prior to 1969, the TECHNICAL MANUAL also contained the Buyer's Guide and the AATCC MEMBERSHIP DIRECTORY, now both available online. The present content of the TECHNICAL MANUAL has continued unchanged since 1969.

Major changes in layout of the TECHNICAL MANUAL were made in 1985 as follows: (1) indexes were grouped at the front of the book; (2) test methods were arranged in numerical order; (3) the *Glossary of Standard Terminology* was added and (4) the *Style Guide for Writing Test Methods* was added.

In 1989, evaluation procedures were listed immediately after the test methods.

In 2012, the monographs were given number designations and were included as a separate item in the numerical and topical indexes for easy access.

EDITORIAL COMMITTEE
Adi B. Chehna, Chair
Ann Laidlaw
Leander B. Ricard
Adam R. Varley

Numerical List of Current AATCC Test Methods, Evaluation Procedures and Monographs

Method	Committee	Title	Page
6-2011	RR1	Colorfastness to Acids and Alkalis	20
8-2013	RA38	Colorfastness to Crocking: Crockmeter Method	21
15-2013	RA23	Colorfastness to Perspiration.....	24
16.1-2014	RA50	Colorfastness to Light: Outdoor.....	27
16.2-2014	RA50	Colorfastness to Light: Carbon-Arc	35
16.3-2014	RA50	Colorfastness to Light: Xenon-Arc	45
17-2014	RA63	Wetting Agents, Evaluation of	57
20-2013	RA24	Fiber Analysis: Qualitative.....	60
20A-2014	RA24	Fiber Analysis: Quantitative.....	80
22-2014	RA63	Water Repellency: Spray Test	89
23-2015	RA33	Colorfastness to Burnt Gas Fumes.....	92
26-2013	RR9	Ageing of Sulfur-Dyed Textiles: Accelerated.....	95
27-2013	RA63	Wetting Agents: Evaluation of Rewetting Agents	97
30-2013	RA31	Antifungal Activity, Assessment on Textile Materials: Mildew and Rot Resistance of Textile Materials	98
35-2013	RA63	Water Resistance: Rain Test.....	102
42-2013	RA63	Water Resistance: Impact Penetration Test.....	104
43-2013	RA63	Wetting Agents for Mercerization.....	106
61-2013	RA60	Colorfastness to Laundering: Accelerated	108
66-2014	RA61	Wrinkle Recovery of Woven Fabrics: Recovery Angle.....	113
70-2015	RA63	Water Repellency: Tumble Jar Dynamic Absorption Test.....	117
76-2011	RR32	Electrical Surface Resistivity of Fabrics	119
79-2014	RA63	Absorbency of Textiles.....	121
81-2012	RA34	pH of the Water-Extract from Wet Processed Textiles	124
82-2012	RA34	Fluidity of Dispersions of Cellulose from Bleached Cotton Cloth.....	125
84-2011	RR32	Electrical Resistance of Yarns	128
86-2011	RA43	Drycleaning: Durability of Applied Designs and Finishes	130
88B-2014	RA61	Smoothness of Seams in Fabrics after Repeated Home Laundering	132
88C-2014	RA61	Retention of Creases in Fabrics after Repeated Home Laundering.....	136
89-2012	RA34	Mercerization in Cotton.....	140
90-2011	RA31	Antibacterial Activity Assessment of Textile Materials: Agar Plate Method	142
92-2013	RR35	Chlorine, Retained, Tensile Loss: Single Sample Method	144
93-2011	RR29	Abrasion Resistance of Fabrics: Accelerator Method	147
94-2012	RA45	Finishes in Textiles: Identification	150
96-2012	RA42	Dimensional Changes in Commercial Laundering of Woven and Knitted Fabrics Except Wool.....	157
97-2013	RA34	Extractable Content of Textiles.....	161
98-2012	RA34	Alkali in Bleach Baths Containing Hydrogen Peroxide	164
100-2012	RA31	Antibacterial Finishes on Textile Materials: Assessment of.....	166
101-2013	RA34	Colorfastness to Bleaching with Hydrogen Peroxide	169
102-2012	RA34	Hydrogen Peroxide by Potassium Permanganate Titration: Determination of	172
103-2013	RR41	Bacterial Alpha-Amylase Enzymes used in Desizing, Assay of	174
104-2014	RA23	Colorfastness to Water Spotting.....	176
106-2013	RA23	Colorfastness to Water: Sea.....	177
107-2013	RA23	Colorfastness to Water.....	179
109-2011	RA33	Colorfastness to Ozone in the Atmosphere under Low Humidities	181
110-2015	RA36	Whiteness of Textiles	183
111-2015	RA50	Weather Resistance of Textiles: Exposure to Daylight and Weather.....	185
112-2014	RA45	Formaldehyde Release from Fabric, Determination of: Sealed Jar Method	194
114-2011	RR35	Chlorine, Retained, Tensile Loss: Multiple Sample Method.....	197
115-2011	RR32	Electrostatic Clinging of Fabrics: Fabric-to-Metal Test	199
116-2013	RA38	Colorfastness to Crocking: Rotary Vertical Crockmeter Method.....	203

Method	Committee	Title	Page
117-2013	RR54	Colorfastness to Heat: Dry (Excluding Pressing)	205
118-2013	RA56	Oil Repellency: Hydrocarbon Resistance Test.....	207
119-2013	RR29	Color Change Due to Flat Abrasion (Frosting): Screen Wire Method	210
120-2013	RR29	Color Change Due to Flat Abrasion (Frosting): Emery Method	213
121-2014	RA57	Carpet Soiling: Visual Rating Method	215
122-2013	RA57	Carpet Soiling: Service Soiling Method	217
124-2014	RA61	Smoothness Appearance of Fabrics after Repeated Home Laundering	219
125-2013	RA50	Colorfastness to Perspiration and Light	223
127-2014	RA63	Water Resistance: Hydrostatic Pressure Test	225
128-2013	RA61	Wrinkle Recovery of Fabrics: Appearance Method.....	227
129-2011	RA33	Colorfastness to Ozone in the Atmosphere under High Humidities.....	229
130-2015	RA56	Soil Release: Oily Stain Release Method.....	231
131-2011	RR53	Colorfastness to Pleating: Steam Pleating.....	234
132-2013	RA43	Colorfastness to Drycleaning	236
133-2013	RR54	Colorfastness to Heat: Hot Pressing.....	239
134-2011	RA57	Electrostatic Propensity of Carpets	241
135-2015	RA42	Dimensional Changes of Fabrics after Home Laundering.....	245
136-2013	RR79	Bond Strength of Bonded and Laminated Fabrics	249
137-2012	RA57	Rug Back Staining on Vinyl Tile.....	252
138-2014	RA57	Cleaning: Washing of Textile Floor Coverings.....	254
140-2011	RA87	Dye and Pigment Migration in a Pad-Dry Process: Evaluation of	256
141-2013	RA87	Compatibility of Basic Dyes for Acrylic Fibers	259
142-2011	RR81	Appearance of Flocked Fabrics after Repeated Home Laundering and/or Coin-Op Drycleaning.....	261
143-2014	RA61	Appearance of Apparel and Other Textile End Products after Repeated Home Laundering	264
144-2012	RA34	Alkali in Wet Processed Textiles: Total	270
146-2015	RA87	Dispersibility of Disperse Dyes: Filter Test	272
147-2011	RA31	Antibacterial Activity Assessment of Textile Materials: Parallel Streak Method	275
148-2015	RA36	Light Blocking Effect of Textiles and Related Materials: Photodetector Method	277
149-2012	RR90	Chelating Agents: Chelation Value of Aminopolycarboxylic Acids and Their Salts; Calcium Oxalate Method	281
150-2012	RA42	Dimensional Changes of Garments after Home Laundering.....	283
154-2011	RA87	Thermal Fixation Properties of Disperse Dyes	287
157-2010	RA92	Colorfastness to Solvent Spotting: Perchloroethylene.....	289
158-2011	RA43	Dimensional Changes on Drycleaning in Perchloroethylene: Machine Method	290
159-2011	RA87	Transfer of Acid and Premetallized Acid Dyes on Nylon	293
161-2012	RR90	Chelating Agents: Disperse Dye Shade Change Caused by Metals; Control of	295
162-2011	RA23	Colorfastness to Water: Chlorinated Pool	298
163-2013	RA92	Colorfastness: Dye Transfer in Storage; Fabric-to-Fabric	300
164-2015	RA33	Colorfastness to Oxides of Nitrogen in the Atmosphere under High Humidities	302
165-2013	RA57	Colorfastness to Crocking: Textile Floor Coverings—Crockmeter Method.....	304
167-2013	RA87	Foaming Propensity of Disperse Dyes	307
168-2012	RR90	Chelating Agents: Active Ingredient Content of Polyaminopolycarboxylic Acids and Their Salts; Copper PAN Method	309
169-2009	RA50	Weather Resistance of Textiles: Xenon Lamp Exposure	311
170-2011	RA87	Dusting Propensity of Powder Dyes: Evaluation of	317
171-2014	RA57	Carpets: Cleaning of; Hot Water Extraction Method.....	319
172-2010	RA60	Colorfastness to Powdered Non-Chlorine Bleach in Home Laundering.....	321
173-2015	RA36	CMC: Calculation of Small Color Differences for Acceptability	324
174-2011	RA31	Antimicrobial Activity Assessment of New Carpets	327
175-2013	RA57	Stain Resistance: Pile Floor Coverings	331
176-2011	RA87	Speckiness of Colorant Dispersions: Evaluation of	333
179-2012	RA42	Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering.....	335
182-2011	RA36	Relative Color Strength of Dyes in Solutions	339
183-2014	RA106	Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics	342
184-2014	RA87	Dusting Behavior of Dyes: Determination of	346

Method	Committee	Title	Page
185-2011	RR90	Chelating Agents: Percent Content in Hydrogen Peroxide Bleach Baths; Copper PAN Indicator Method	350
186-2015	RA50	Weather Resistance: UV Light and Moisture Exposure	352
187-2013	RA42	Dimensional Changes of Fabrics: Accelerated	357
188-2010	RA60	Colorfastness to Sodium Hypochlorite Bleach in Home Laundering	360
189-2012	RA57	Fluorine Content of Carpet Fibers.....	363
190-2010	RA60	Colorfastness to Home Laundering with Activated Oxygen Bleach Detergent: Accelerated.....	366
191-2013	RR41	Acid Cellulase Enzymes, Effect of: Top Loading Washer.....	369
192-2013	RA50	Weather Resistance of Textiles: Sunshine-Arc Lamp Exposure With and Without Wetting	371
193-2012	RA56	Aqueous Liquid Repellency: Water/Alcohol Solution Resistance Test.....	380
194-2013	RA49	Assessment of the Anti-House Dust Mite Properties of Textiles under Long-Term Test Conditions	383
195-2012	RA63	Liquid Moisture Management Properties of Textile Fabrics	385
196-2013	RA57	Colorfastness to Sodium Hypochlorite of a Textile Floor Covering	390
197-2013	RA63	Vertical Wicking of Textiles	392
198-2013	RA63	Horizontal Wicking of Textiles	396
199-2013	RA63	Drying Time of Textiles: Moisture Analyzer Method	399
200-2015	RA63	Drying Rate of Textiles at their Absorbent Capacity: Air Flow Method.....	402
201-2014	RA63	Drying Rate of Fabrics: Heated Plate Method	405
202-2014	RA89	Relative Hand Value of Textiles: Instrumental Method.....	408
203-2014	RA36	Light Blocking Effect of Textiles: Spectrophotometric Method	411
204-2015	RA63	Water Vapor Transmission of Textiles	415

AATCC Evaluation Procedures

Procedure	Committee	Title	
1-2012	RA36	Gray Scale for Color Change	417
2-2012	RA36	Gray Scale for Staining	419
4-2011	RA36	Standard Depth Scales for Depth Determination.....	421
5-2011	RA89	Fabric Hand: Guidelines for the Subjective Evaluation of.....	422
6-2008	RA36	Instrumental Color Measurement.....	425
7-2015	RA36	Instrumental Assessment of the Change in Color of a Test Specimen.....	431
8-2010	RA36	AATCC 9-Step Chromatic Transference Scale.....	433
9-2011	RA36	Visual Assessment of Color Difference of Textiles	435
10-2012	RA59	Multifiber Adjacent Fabrics: Evaluation of	438
11-2008	RA36	Spectrophotometer UV Energy Calibration Procedure for Optically Brightened Textiles	441
12-2012	RA36	Instrumental Assessment of Degree of Staining	443

AATCC Monographs

Monograph	Committee	Title	
1-2005	RA88	1993 AATCC Standard Reference Detergent and Laundry Detergents in General.....	446
2-2005	RA88	2003 AATCC Standard Reference Liquid Laundry Detergent	448
3-2008	RA88	High Efficiency Washers in North America	450
4-2006	RA88	Overview of Liquid Fabric Softeners used in Home Laundering.....	452
5-2007	RA88	Standardization of Hand Laundering for Fabrics and Apparel.....	453
6-2013	RA88	Standardization of Home Laundry Test Conditions.....	454
7-1991	RA88	Standard Laboratory Practice for Home Laundering Fabrics Prior to Flammability Testing to Differentiate Between Durable and Non-Durable Finishes.....	457
9-1992	RA102	A Summary of ASTM Methods for Interlaboratory Testing	458
10-2012	RA99	Barré: Visual Assessment Descriptive Terms and Terminology.....	460

Discontinued AATCC Test Methods, Evaluation Procedures and Monographs

Method	Title
1-1957	Colorfastness to Washing, Mill Washing and Scouring: Wool Textiles.
2-1989	Colorfastness to Fulling.
3-1989	Colorfastness to Bleaching with Chlorine.
4-1957	Colorfastness to Washing, Mill: Silk Textiles.
5-1962	Colorfastness to Dry and Wet Heat. Superseded by TM133.
7-1989	Colorfastness to Degumming.
9-1989	Colorfastness to Stoving.
10-1944	Colorfastness to Commercial Laundering and to Domestic Washing. Superseded by TM36.
11-1989	Colorfastness to Carbonizing.
12-1931	Colorfastness to Sea Water. Superseded by TM63.
13-1957	Colorfastness to Peroxide Bleaching with Peroxide: Silk. Superseded by TM101.
14-1953	Dimensional Changes in Cotton and Linen Textiles. Superseded by TM91.
16-2004	Colorfastness to Light. Superseded by TM16.1, 16.2 and 16.3.
16A-1988	Colorfastness to Light: Carbon-Arc Lamp, Continuous Light. Superseded by TM16.
16B-1977	Colorfastness to Light through Glass: Sunlight.
16C-1988	Colorfastness to Light through Glass: Daylight. Superseded by TM16.
16D-1988	Colorfastness to Light: Carbon-Arc Lamp, Alternate Light and Darkness. Superseded by TM16.
16E-1987	Colorfastness to Light: Water-Cooled Xenon-Arc Lamp, Continuous Light. Superseded by TM16.

Method	Title
16F-1988	Colorfastness to Light: Water-Cooled Xenon-Arc Lamp, Alternate Light and Darkness. Superseded by TM16.
16G-1985	Colorfastness to Light: Determination of Fastness Above L-7. Superseded by TM16.
18-1967	Water Resistance: Hydrostatic Pressure Test. Superseded by TM127.
19-1937	Mercerization of Cotton, Determination of; Degree of. Superseded by TM89.
21-1983	Water Repellency: Static Absorption Test.
24-2004	Insects, Resistance of Textiles to.
25-1957	Colorfastness to Drycleaning. Superseded by TM85.
28-2004	Insect Pest Deterrents on Textiles.
29-1957	Colorfastness to Bleaching with Peroxide: Cotton and Linen. Superseded by TM101.
31-1962	Colorfastness to Pleating. Superseded by TM131.
32-1952	Detection of Phototropism. Superseded by TM139.
33-1962	Flammability of Clothing Textiles.
34-1969	Fire Resistance of Textile Fabrics.
36-1972	Colorfastness to Washing: Characterization of Textile Colorants.
37-1952	Colorfastness to Commercial Laundering and Domestic Washing (Silk). Superseded by TM36.
38-1952	Colorfastness to Commercial Laundering and Domestic Washing (Wool). Superseded by TM36.
39-1980	Wettability, Evaluation of.
40-1957	Dimensional Changes in Textiles Other Than Wool. Superseded by TM91.
41-1952	Dimensional Changes in Wool Textiles: Accelerated Test. Superseded by TM99.
44	Title unavailable. Discontinued. Superseded by TM54.
45	Title unavailable. Discontinued. Superseded by TM54.
46	Title unavailable. Discontinued. Superseded by TM63.
47-1950	Colorfastness to Water (Other than Silk and Wool). Superseded by TM63.
48-1952	Colorfastness to Water Spotting. Superseded by TM104.
49-1952	Colorfastness to Chlorination. Superseded by TM3.
50-1952	Colorfastness to Soda Boil.
51-1952	Colorfastness to Mercerizing.
52-1952	Colorfastness to Decatizing.
53-1952	Colorfastness to Chrome (Dichromate) in the Dye bath.
54-1952	Colorfastness to Cross Dyeing.
55-1952	Colorfastness to Potting.
56-1952	Colorfastness to Cellulose Ester Bonding.
57-1952	Colorfastness to Storage (Acetate).
58-1952	Colorfastness to Steaming (Acetate).
59-1952	Colorfastness to Peroxide Bleaching (Wool). Superseded by TM13.
60-1952	Detergents on Wool: Detergency Comparator Method.
62-1989	Oils, Wool; Oxidation in Storage.
63-1961	Colorfastness to Water: Distilled or Demineralized; Sea, and Chlorinated Pool. Superseded by Methods 105, 106, 107.
64-1977	Scouring, Continuous Scouring of Raw Grease Wool.
65-1984	Snag Resistance of Women's Nylon Hosiery.
67-1957	Wrinkle Recovery of Fabrics: Roller Pressure Crease-Recovery Method.
68-1969	Colorfastness to Washing at 105F: Rapid Control Test.
69-1958	Damage Caused by Retained Chlorine. Superseded by TM92.
71-1956	Colorfastness to Perspiration: Rapid Control Test.
72-1969	Colorfastness to Washing and Shrinkage: Combined Rapid Control Test.
73-1953	Shrinkage of Wool Hose: Accelerated Test. Superseded by TM99.
74-1953	Relaxation and Felting Shrinkage of Wool Knit Fabrics (Except Hose): Accelerated Test. Superseded by TM99.
75-1971	Colorfastness to Oxides of Nitrogen in the Atmosphere: Rapid Control Test.
77-1977	Scourability of Spinning Lubricant.
78-1989	Ash Content of Bleached Cellulosic Textiles.
80-1954	Determining the Noncotton Content of Bleached Woven Cotton Cloth. Superseded by TM97.
83-1974	Colorfastness to Light and Washing: Alternate Exposure.
85-1968	Colorfastness to Drycleaning. Superseded by TM132.

Method	Title
87-1965	Colorfastness to Washing, Industrial Laundering: Accelerated.
88-1961	Appearance of Wash and Wear Fabrics after Home Laundering. Superseded by TM88A.
88A-1964	Appearance of Fabrics in Wash and Wear Items after Home Laundering. Superseded by TM124.
90-1982	Antibacterial Activity of Fabrics, Detection of: Agar Plate Method. Superseded by Reactivated/Revised TM90-2011.
91-1958	Dimensional Changes in Woven Textiles (Excluding Wool). Superseded by TM96.
95-1959	Dimensional Restorability of Woven Textiles after Laundering. Superseded by TM96.
99-2004	Dimensional Changes of Woven or Knitted Wool Textiles: Relaxation, Consolidation and Felting.
105-1975	Colorfastness to Water: Chlorinated Pool. Superseded by TM162.
108-1963	Dimensional Changes in Drycleaning.
111A-1990	Weather Resistance: Sunshine Arc Lamp Exposure with Wetting. Superseded by TM111.
111B-1990	Weather Resistance: Exposure to Natural Light and Weather. Superseded by TM111.
111C-1990	Weather Resistance: Sunshine Arc Lamp Exposure without Wetting. Superseded by TM111.
111D-1990	Weather Resistance: Exposure to Natural Light and Weather through Glass. Superseded by TM111.
113-1978	Formaldehyde Odor in Resin Treated Fabric, Determination of: Steam Method.
123-2000	Carpet Soiling: Accelerated Soiling Method.
126-1991	Colorfastness to Water (High Humidity) and Light: Alternate Exposure.
139-2005	Colorfastness to Light: Detection of Photochromism.
145-1985	Color Measurement of the Blue Wool Lightfastness Standards: Instrumental.
148-1989	Light Blocking Effect of Curtain Materials. Superseded by Reactivated/Revised TM148-2014 with new title.
151-2003	Soil Redeposition: Launder-Ometer Method.
152-1990	Soil Redeposition, Resistance to: Terg-O-Tometer Method.
153-1985	Color Measurement of Textiles: Instrumental. Superseded by EP6.
155-1991	Transfer of Disperse Dyes on Polyester.
156-1991	Transfer of Basic Dyes on Acrylics.
160-1992	Dimensional Restoration of Knitted and Woven Fabrics after Laundering.
166-1998	Dispersion Stability of Disperse Dyes at High Temperature.
177-2000	Colorfastness to Light at Elevated Temperature and Humidity: Xenon Lamp Apparatus.
178-2004	Barré: Visual Assessment and Grading
180-1997	Colorfastness to Light at High Temperatures: Daylight Temperature Controlled Apparatus.
181-2005	Colorfastness to Light at High Temperatures: Daylight Temperature and Humidity Controlled Apparatus.
Procedure	Title
3-1996	AATCC 5-Step Chromatic Transference Scale.
Monograph	Title
8-1992	Nomenclature for Subjective Rating Processes.

Alphabetical List of Current AATCC Test Methods, Evaluation Procedures and Monographs

Title	Number	Page
1993 AATCC Standard Reference Detergent and Laundry Detergents in General.....	M1-2005	446
2003 AATCC Standard Reference Liquid Laundry Detergent	M2-2005	448
AATCC 9-Step Chromatic Transference Scale.....	EP8-2010	433
Abrasion Resistance of Fabrics: Accelerator Method	TM93-2011	147
Absorbency of Textiles.....	TM79-2014	121
Acid Cellulase Enzymes, Effect of: Top Loading Washer.....	TM191-2013	369
Ageing of Sulfur-Dyed Textiles: Accelerated.....	TM26-2013	95
Alkali in Bleach Baths Containing Hydrogen Peroxide	TM98-2012	164
Alkali in Wet Processed Textiles: Total.....	TM144-2012	270
Analysis of Textiles: Finishes, Identification of.....	TM94-2012	150
Antibacterial Activity Assessment of Textile Materials: Agar Plate Method	TM90-2011	142
Antibacterial Activity Assessment of Textile Materials: Parallel Streak Method	TM147-2011	275
Antibacterial Finishes on Textile Materials: Assessment of.....	TM100-2012	166
Antifungal Activity, Assessment on Textile Materials: Mildew and Rot Resistance of Textile Materials	TM30-2013	98
Anti-House Dust Mite Properties of Textiles under Long-Term Test Conditions; Assessment of	TM194-2013	383
Antimicrobial Activity Assessment of New Carpets	TM174-2011	327
Appearance of Apparel and Other Textile End Products after Repeated Home Laundering.....	TM143-2014	264
Appearance of Flocked Fabrics after Repeated Home Laundering and/or Coin-Op Drycleaning.....	TM142-2011	261
Assessment of the Anti-House Dust Mite Properties of Textiles under Long-Term Test Conditions	TM194-2013	383
Aqueous Liquid Repellency: Water/Alcohol Solution Resistance Test.....	TM193-2012	380
Bacterial Alpha-Amylase Enzymes used in Desizing, Assay of	TM103-2013	174
Barré: Visual Assessment Descriptive Terms and Terminology.....	M10-2012	460
Bond Strength of Bonded and Laminated Fabrics	TM136-2013	249
CMC: Calculation of Small Color Differences for Acceptability.....	TM173-2015	324
Carpets: Cleaning of; Hot Water Extraction Method.....	TM171-2014	319
Carpets: Stain Resistance: Pile Floor Coverings.....	TM175-2013	331
Carpet Soiling: Accelerated Service Soiling Method	TM122-2013	217
Visual Rating Method	TM121-2014	215
Chelating Agents: Active Ingredient Content of Polyaminopolycarboxylic Acids and Their Salts; Copper PAN Method	TM168-2012	309
Chelating Agents: Chelation Value of Aminopolycarboxylic Acids and Their Salts; Calcium Oxalate Method.....	TM149-2012	281
Chelating Agents: Disperse Dye Shade Change Caused by Metals; Control of	TM161-2012	295
Chelating Agents: Percent Content in Hydrogen Peroxide Bleach Baths; Copper PAN Indicator Method	TM185-2011	350
Chlorine, Retained, Tensile Loss: Multiple Sample Method.....	TM114-2011	197
Chlorine, Retained, Tensile Loss: Single Sample Method.....	TM92-2013	144
Chromatic Transference Scale: AATCC 9-Step Chromatic Transference Scale	EP8-2010	433
Cleaning: Washing of Textile Floor Coverings.....	TM138-2014	254
Color Change Due to Flat Abrasion (Frosting): Emery Method	TM120-2013	213
Screen Wire Method	TM119-2013	210
Colorfastness to: Acids and Alkalis.....	TM6-2011	20
Bleaching with Hydrogen Peroxide.....	TM101-2013	169

Title	Number	Page
Colorfastness to: (Continued)		
Burnt Gas Fumes	TM23-2015	92
Crocking: Crockmeter Method	TM8-2013	21
Crocking: Rotary Vertical Crockmeter Method	TM116-2013	203
Crocking: Textile Floor Coverings—Crockmeter Method	TM165-2013	304
Drycleaning	TM132-2013	236
Dye Transfer in Storage; Fabric-to-Fabric	TM163-2013	300
Heat: Dry (Excluding Pressing)	TM117-2013	205
Heat: Hot Pressing	TM133-2013	239
Home Laundering with Activated Oxygen Bleach Detergent: Accelerated	TM190-2010	366
Laundering: Accelerated	TM61-2013	108
Light: Carbon-Arc	TM16.2-2014	35
Light: Outdoor	TM16.1-2014	27
Light: Xenon-Arc	TM16.3-2014	45
Oxides of Nitrogen in the Atmosphere under High Humidities	TM164-2015	302
Ozone in the Atmosphere under Low Humidities	TM109-2011	181
Ozone in the Atmosphere under High Humidities	TM129-2011	229
Perspiration	TM15-2013	24
Perspiration and Light	TM125-2013	223
Pleating: Steam Pleating	TM131-2011	234
Powdered Non-Chlorine Bleach in Home Laundering	TM172-2010	321
Sodium Hypochlorite Bleach in Home Laundering	TM188-2010	360
Sodium Hypochlorite of a Textile Floor Covering	TM196-2013	390
Solvent Spotting: Perchloroethylene	TM157-2010	289
Water	TM107-2013	179
Water: Chlorinated Pool	TM162-2011	298
Water: Sea	TM106-2013	177
Water Spotting	TM104-2014	176
Compatibility of Basic Dyes for Acrylic Fibers	TM141-2013	259
Creases; in Fabrics, Retention of, after Repeated Home Laundering	TM88C-2014	136
Dimensional Changes of Fabrics after Home Laundering	TM135-2015	245
Dimensional Changes of Garments after Home Laundering	TM150-2012	283
Dimensional Changes in Commercial Laundering of Woven and Knitted Fabrics Except Wool	TM96-2012	157
Dimensional Changes on Drycleaning in Perchloroethylene: Machine Method	TM158-2011	290
Dimensional Changes of Fabrics: Accelerated	TM187-2013	357
Dispersibility of Disperse Dyes: Filter Test	TM146-2015	272
Drycleaning: Durability of Applied Designs and Finishes	TM86-2011	130
Drying Rate of Fabrics: Heated Plate Method	TM201-2014	405
Drying Rate of Textiles at their Absorbent Capacity: Air Flow Method	TM200-2015	402
Drying Time of Textiles: Moisture Analyzer Method	TM199-2013	399
Dusting Behavior of Dyes: Determination of	TM184-2014	346
Dusting Propensity of Powder Dyes: Evaluation of	TM170-2011	317
Dye and Pigment Migration in a Pad-Dry Process: Evaluation of	TM140-2011	256
Electrical Surface Resistivity of Fabrics	TM76-2011	119
Electrical Resistance of Yarns	TM84-2011	128
Electrostatic Clinging of Fabrics: Fabric-to-Metal Test	TM115-2011	199
Electrostatic Propensity of Carpets	TM134-2011	241
Extractable Content of Textiles	TM97-2013	161
Fabric Hand: Guidelines for the Subjective Evaluation of	EP5-2011	422
Fabrics; Appearance of, after Repeated Home Laundering	TM124-2014	219
Fiber Analysis: Qualitative	TM20-2013	60

Title	Number	Page
Fiber Analysis: Quantitative.....	TM20A-2014	80
Finishes in Textiles: Identification	TM94-2012	150
Fluidity of Dispersions of Cellulose from Bleached Cotton Cloth.....	TM82-2012	125
Fluorine Content of Carpet Fibers.....	TM189-2012	363
Foaming Propensity of Disperse Dyes.....	TM167-2013	307
Formaldehyde Release from Fabric, Determination of: Sealed Jar Method.....	TM112-2014	194
Frosting: (Color Change due to Flat Abrasion)		
Emery Method.....	TM120-2013	213
Screen Wire Method.....	TM119-2013	210
Gray Scale for Color Change	EP1-2012	417
Gray Scale for Staining	EP2-2012	419
High Efficiency Washers in North America.....	M3-2008	450
Horizontal Wicking of Textiles	TM198-2013	396
Hydrogen Peroxide by Potassium Titration: Determination of	TM102-2012	172
Instrumental Assessment of the Change in Color of a Test Specimen	EP7-2009	431
Instrumental Assessment of Degree of Staining	EP12-2012	443
Instrumental Color Measurement.....	EP6-2008	425
Light Blocking Effect of Textiles and Related Materials: Photodetector Method	TM148-2015	277
Light Blocking Effect of Textiles: Spectrophotometric Method	TM203-2014	411
Liquid Moisture Management Properties of Textile Fabrics	TM195-2012	385
Mercerization in Cotton.....	TM89-2012	140
Migration: Dye and Pigment in a Pad-Dry Process: Evaluation of.....	TM140-2011	256
Mildew and Rot Resistance of Textiles: Fungicides	TM30-2013	98
Multifiber Adjacent Fabrics; Evaluation of	EP10-2012	438
Oil Repellency: Hydrocarbon Resistance Test.....	TM118-2013	207
Overview of Liquid Fabric Softeners used in Home Laundering.....	M4-2006	452
pH of the Water-Extract from Wet Processed Textiles.....	TM81-2012	124
Relative Color Strength of Dyes in Solutions	TM182-2011	339
Relative Hand Value of Textiles: Instrumental Method.....	TM202-2014	408
Retention of Creases in Fabrics after Repeated Home Laundering.....	TM88C-2014	136
Rug Back Staining on Vinyl Tile.....	TM137-2012	252
Seams; in Fabrics; Smoothness of, after Repeated Home Laundering.....	TM88B-2014	132
Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering.....	TM179-2012	335
Smoothness Appearance of Fabrics after Repeated Home Laundering	TM124-2014	219
Soil Release: Oily Stain Release Method.....	TM130-2015	231
Speckiness of Colorant Dispersions: Evaluation of.....	TM176-2011	333
Spectrophotometer UV Energy Calibration Procedure for Optically Brightened Textiles	EP11-2008	441
Stain Resistance: Pile Floor Coverings	TM175-2013	331
Standardization of Hand Laundering for Fabrics and Apparel	M5-2007	453
Standardization of Home Laundry Test Conditions.....	M6-2013	454
Standard Depth Scales for Depth Determination	EP4-2011	421
Standard Laboratory Practice for Home Laundering Fabrics Prior to Flammability Testing to		
Differentiate Between Durable and Non-Durable Finishes	M7-1991	457
Summary of ASTM Methods for Interlaboratory Testing	M9-1992	458
Thermal Fixation Properties of Disperse Dyes	TM154-2011	287
Transfer of Acid and Premetallized Acid Dyes on Nylon	TM159-2011	293
Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics.....	TM183-2014	342
Vertical Wicking of Textiles	TM197-2013	392
Visual Assessment of Color Difference of Textiles	EP9-2011	435
Water Repellency: Spray Test	TM22-2014	89
Water Repellency: Tumble Jar Dynamic Absorption Test.....	TM70-2015	117

Title	Number	Page
Water Resistance: Hydrostatic Pressure Test	TM127-2014	225
Water Resistance: Impact Penetration Test	TM42-2013	104
Water Resistance: Rain Test	TM35-2013	102
Water Vapor Transmission of Textiles.....	TM204-2015	415
Weather Resistance of Textiles: Exposure to Daylight and Weather	TM111-2015	185
Weather Resistance of Textiles: Xenon Lamp Exposure	TM169-2009	311
Weather Resistance of Textiles: Sunshine-Arc Lamp Exposure with and without Wetting.....	TM192-2013	371
Weather Resistance: UV Light and Moisture Exposure	TM186-2015	352
Wetting Agents, Evaluation of	TM17-2014	57
Wetting Agents: Evaluation of Rewetting Agents	TM27-2013	97
Wetting Agents for Mercerization	TM43-2013	106
Whiteness of Textiles	TM110-2015	183
Wrinkle Recovery of Fabrics: Appearance Method.....	TM128-2013	227
Wrinkle Recovery of Woven Fabrics: Recovery Angle.....	TM66-2014	113

Topical Listing of Current AATCC Test Methods, Evaluation Procedures and Monographs

Title	Page
BIOLOGICAL PROPERTIES	
Antibacterial Activity Assessment of Textile Materials: Agar Plate Method; TM90-2011	142
Antibacterial Activity of Fabrics, Assessment of Textile Materials: Parallel Streak Method; TM147-2011	275
Antibacterial Finishes on Textile Materials, Assessment of; TM100-2012	166
Antifungal Activity, Assessment on Textile Materials: Mildew and Rot Resistance of Textiles; TM30-2013	98
Antimicrobial Activity Assessment of New Carpets; TM174-2011	327
Assessment of the Anti-House Dust Mite Properties of Textiles under Long-Term Test Conditions; TM194-2013	383
Bacterial Alpha-Amylase Enzymes used in Desizing, Assay of; TM103-2013	174
COLORFASTNESS	
CMC: Calculation of Small Color Differences for Acceptability; TM173-2015	324
Color Change Due to Flat Abrasion (Frosting): Emery Method; TM120-2013	213
Color Change Due to Flat Abrasion (Frosting): Screen Wire Method; TM119-2013	210
Colorfastness to Acids and Alkalis; TM6-2011	20
Colorfastness to Bleaching with Hydrogen Peroxide; TM101-2013	169
Colorfastness to Burnt Gas Fumes; TM23-2015	92
Colorfastness to Crocking: Crockmeter Method; TM8-2013	21
Colorfastness to Crocking: Rotary Vertical Crockmeter Method; TM116-2013	203
Colorfastness to Crocking: Textile Floor Coverings—Crockmeter Method; TM165-2013	304
Colorfastness to Drycleaning; TM132-2013	236
Colorfastness: Dye Transfer in Storage; Fabric-to-Fabric; TM163-2013	300
Colorfastness to Heat: Dry (Excluding Pressing); TM117-2013	205
Colorfastness to Heat: Hot Pressing; TM133-2013	239
Colorfastness to Home Laundering with Activated Oxygen Bleach Detergent: Accelerated; TM190-2010	366
Colorfastness to Laundering: Accelerated; TM61-2013	108
Colorfastness to Light: Carbon-Arc; TM16.2-2014	35
Colorfastness to Light: Outdoor; TM16.1-2014	27
Colorfastness to Light: Xenon-Arc; TM16.3-2014	45
Colorfastness to Powdered Non-Chlorine Bleach in Home Laundering; TM172-2010	321
Colorfastness to Oxides of Nitrogen in the Atmosphere under High Humidities; TM164-2015	302
Colorfastness to Ozone in the Atmosphere under High Humidities; TM129-2011	229
Colorfastness to Ozone in the Atmosphere under Low Humidities; TM109-2011	181
Colorfastness to Perspiration; TM15-2013	24
Colorfastness to Perspiration and Light; TM125-2013	223
Colorfastness to Pleating: Steam Pleating; TM131-2011	234
Colorfastness to Sodium Hypochlorite Bleach in Home Laundering; TM188-2010	360
Colorfastness to Sodium Hypochlorite of a Textile Floor Covering; TM196-2013	390
Colorfastness to Solvent Spotting: Perchloroethylene; TM157-2010	289
Colorfastness to Water; TM107-2013	179
Colorfastness to Water: Chlorinated Pool; TM162-2011	298
Colorfastness to Water: Sea; TM106-2013	177
Colorfastness to Water Spotting; TM104-2014	176
DYEING PROPERTIES	
Chelating Agents: Disperse Dye Shade Change Caused by Metals; Control of; TM161-2012	295
Compatibility of Basic Dyes for Acrylic Fibers; TM141-2013	259

Title	Page
DYEING PROPERTIES (Continued)	
Dispersibility of Disperse Dyes: Filter Test; TM146-2015	272
Dusting Behavior of Dyes: Determination of; TM184-2014.....	346
Dusting Propensity of Powder Dyes: Evaluation of; TM170-2011	317
Dye and Pigment Migration in a Pad-Dry Process: Evaluation of; TM140-2011	256
Foaming Propensity of Disperse Dyes; TM167-2013	307
Relative Color Strength of Dyes in Solutions; TM182-2011.....	339
Speckiness of Colorant Dispersions: Evaluation of; TM176-2011	333
Thermal Fixation Properties of Disperse Dyes; TM154-2011.....	287
Transfer of Acid and Premetallized Acid Dyes on Nylon; TM159-2011	293
EVALUATION PROCEDURES	
Chromatic Transference Scale, 9-Step; EP8-2010.....	433
Fabric Hand: Guidelines for the Subjective Evaluation of; EP5-2011	422
Gray Scale for Color Change; EP1-2012	417
Gray Scale for Staining; EP2-2012	419
Instrumental Assessment of the Change in Color of a Test Specimen; EP7-2009	431
Instrumental Assessment of Degree of Staining; EP12-2012.....	443
Instrumental Color Measurement; EP6-2008.....	425
Multifiber Adjacent Fabrics: Evaluation of; EP10-2012	438
Spectrophotometer UV Energy Calibration Procedure for Optically Brightened Textiles; EP11-2008	441
Standard Depth Scales for Depth Determination; EP4-2011	421
Visual Assessment of Color Difference of Textiles; EP9-2011	435
IDENTIFICATION AND ANALYSIS	
Alkali in Bleach Baths Containing Hydrogen Peroxide; TM98-2012.....	164
Alkali in Wet Processed Textiles: Total; TM144-2012.....	270
Chelating Agents: Active Ingredient Content of Polyaminopolycarboxylic Acids and Their Salts; Copper PAN Method; TM168-2012.....	309
Chelating Agents: Chelation Value of Aminopolycarboxylic Acids and Their Salts; Calcium Oxalate Method; TM149-2012.....	281
Chelating Agents: Percent Content in Hydrogen Peroxide Bleach Baths; Copper PAN Indicator Method; TM 185-2011	350
CMC: Calculation of Small Color Differences for Acceptability; TM173-2015.....	324
Extractable Content of Textiles; TM97-2013.....	161
Fiber Analysis: Qualitative; TM20-2013	60
Fiber Analysis: Quantitative; TM20A-2014	80
Finishes in Textiles: Identification; TM94-2012.....	150
Fluidity of Dispersions of Cellulose from Bleached Cotton Cloth; TM82-2012	125
Formaldehyde Release from Fabric, Determination of: Sealed Jar Method; TM112-2014	194
Hydrogen Peroxide by Potassium Permanganate Titration: Determination of; TM102-2012	172
Light Blocking Effect of Textiles and Related Materials: Photodetector Method; TM148-2015.....	277
Light Blocking Effect of Textiles: Spectrophotometric Method; TM203-2014.....	411
Mercerization in Cotton; TM89-2012.....	140
pH of the Water-Extract from Bleached Textiles; TM81-2012	124
Transmittance or Blocking of Erythemally Weighted Ultraviolet Radiation through Fabrics; TM183-2014	342
Whiteness of Textiles; TM110-2015	183
MONOGRAPHS	
1993 AATCC Standard Reference Detergent and Laundry Detergents in General; M1-2005.....	446
2003 AATCC Standard Reference Liquid Laundry Detergent; M2-2005	448

Title	Page
MONOGRAPHS (Continued)	
Barré: Visual Assessment Descriptive Terms and Terminology; M10-2012	460
High Efficiency Washers in North America; M3-2008	450
Overview of Liquid Fabric Softeners used in Home Laundering; M4-2006.....	452
Standardization of Hand Laundering for Fabrics and Apparel; M5-2007	453
Standardization of Home Laundry Test Conditions; M6-2013.....	454
Standard Laboratory Practice for Home Laundering Fabrics Prior to Flammability Testing to Differentiate Between Durable and Non-Durable Finishes; M7-1991	457
Summary of ASTM Methods for Interlaboratory Testing; M9-1992	458
PHYSICAL PROPERTIES	
Abrasion Resistance of Fabrics: Accelerator Method; TM93-2011	147
Absorbency of Textiles; TM79-2014	121
Acid Cellulase Enzymes, Effect of: Top Loading Washer; TM191-2013	369
Ageing of Sulfur-Dyed Textiles: Accelerated; TM26-2013	95
Appearance of Apparel and Other Textile End Products after Repeated Home Laundering; TM143-2014	264
Appearance of Flocked Fabric after Repeated Home Laundering and/or Coin-Op Drycleaning; TM142-2011.....	261
Appearance: Retention of Creases in Fabric after Repeated Home Laundering; TM88C-2014.....	136
Appearance of Seams in Durable Press Items after Repeated Home Laundering; TM88B-2014	132
Aqueous Liquid Repellency: Water/Alcohol Solution Resistance Test; TM193-2012	380
Bond Strength of Bonded and Laminated Fabrics; TM136-2013	249
Carpets: Cleaning of; Hot Water Extraction Method; TM171-2014	319
Carpets: Electrostatic Propensity of; TM134-2011.....	241
Carpet Soiling: Service Soiling Method; TM122-2013	217
Carpet Soiling: Visual Rating Method; TM121-2014.....	215
Chlorine, Retained, Tensile Loss: Multiple Sample Method; TM114-2011.....	197
Chlorine, Retained, Tensile Loss: Single Sample Method; TM92-2013	144
Cleaning: Washing of Textile Floor Coverings; TM138-2014	254
Dimensional Changes of Fabrics after Home Laundering; TM135-2015	245
Dimensional Changes of Garments after Home Laundering; TM150-2012	283
Dimensional Changes in Commercial Laundering of Woven and Knitted Fabrics Except Wool; TM96-2012	157
Dimensional Changes on Drycleaning in Perchloroethylene: Machine Method; TM158-2011	290
Dimensional Changes of Fabrics: Accelerated; TM187-2013.....	357
Drycleaning: Durability of Applied Designs and Finishes; TM86-2011.....	130
Drying Rate of Fabrics: Heated Plate Method; TM201-2014	405
Drying Rate of Textiles at their Absorbent Capacity: Air Flow Method; TM200-2015	402
Drying Time of Textiles: Moisture Analyzer Method; TM199-2013	399
Electrical Surface Resistivity of Fabrics; TM76-2011.....	119
Electrical Resistance of Yarns; TM84-2011.....	128
Electrostatic Clinging of Fabrics: Fabric-to-Metal Test; TM115-2011	199
Electrostatic Propensity of Carpets; TM134-2011	241
Fluorine Content of Carpet Fibers; TM189-2012	363
Horizontal Wicking of Textiles; TM198-2013.....	396
Liquid Moisture Management Properties of Textile Fabrics; TM195-2012.....	385
Oil Repellency: Hydrocarbon Resistance Test; TM118-2013	207
Relative Hand Value of Textiles: Instrumental Method; TM202-2014	408
Retention of Creases in Fabrics after Repeated Home Laundering; TM88C-2014	136
Rug Back Staining on Vinyl Tile; TM137-2012	252
Skewness Change in Fabric and Garment Twist Resulting from Automatic Home Laundering; TM179-2012	335
Smoothness Appearance of Fabrics after Repeated Home Laundering; TM124-2014.....	219
Smoothness of Seams in Fabrics after Repeated Home Laundering; TM88B-2014.....	132

PHYSICAL PROPERTIES (Continued)

Soil Release: Oily Stain Release Method; TM130-2015	231
Stain Resistance: Pile Floor Coverings; TM175-2013.....	331
Vertical Wicking of Textiles; TM197-2013	392
Water Repellency: Spray Test; TM22-2014.....	89
Water Repellency: Tumble Jar Dynamic Absorption Test; TM70-2015	117
Water Resistance: Hydrostatic Pressure Test; TM127-2014.....	225
Water Resistance: Impact Penetration Test; TM42-2013.....	104
Water Resistance: Rain Test; TM35-2013.....	102
Water Vapor Transmission of Textiles; TM204-2015	415
Weather Resistance of Textiles: Exposure to Daylight and Weather; TM111-2015.....	185
Weather Resistance of Textiles: Sunshine-Arc Lamp Exposure With and Without Wetting; TM192-2013.....	371
Weather Resistance of Textiles: Xenon Lamp Exposure; TM169-2009	311
Weather Resistance: UV Light and Moisture Exposures; TM186-2015	352
Wetting Agents, Evaluation of; TM17-2014.....	57
Wetting Agents: Evaluation of Rewetting Agents; TM27-2013.....	97
Wetting Agents for Mercerization; TM43-2013	106
Wrinkle Recovery of Fabrics: Appearance Method; TM128-2013	227
Wrinkle Recovery of Woven Fabrics: Recovery Angle; TM66-2014	113

Changes in 2016 Technical Manual

The following changes have been made in AATCC test methods (TM), evaluation procedures (EP), monographs (M) and other documents since publication of the 2015 volume of the TECHNICAL MANUAL. The copy deadline for changes in the 2016 volume was May 2015.

TM20A-2014, Fiber Analysis: Quantitative. Editorially revised to clarify column headings within Table IV.

TM23-2015, Colorfastness to Burnt Gas Fumes. Revised to include new lot for Control Ribbon and Standard of Fading.

TM70-2015, Water Repellency: Tumble Jar Dynamic Absorbency Test. Revised 7.3 to clarify placement of pieces in the jar.

TM110-2015, Whiteness of Textiles. Revised. Significant revisions include updated definitions, addition of a new Uses and Limitations section, adjusted tint constraint limits, as well as a new reference to EP11, Spectrophotometer UV Energy Calibration Procedure.

TM111-2015, Weather Resistance of Textiles: Exposure to Daylight and Weather. Revised to bring the method up-to-date under the five year review process. Changes include clarification of scope, a new definition and a revision of the Reporting Form.

TM130-2015, Soil Release: Oily Stain Release Method. Reaffirmed and editorially revised to change “which” to “that” in 7.6. The committee is in the process of revising this method for a future MANUAL.

TM135-2015, Dimensional Changes of Fabrics after Home Laundering. Revised to remove unballoted changes to Table I, inadvertently published in the 2014 version of the method.

TM146-2015, Dispersibility of Disperse Dyes: Filter Test. Reaffirmed under the five year review process.

TM148-2015, Light Blocking Effect of Textiles and Related Materials: Photodetector Method. Reaffirmed and editorially revised to change the width dimension in Fig. 1 from 220 to 280. This method was reviewed under the three year review process it is considered a new method,

even though it is actually a re-activation of the method discontinued in 1994.

TM164-2015, Colorfastness to Oxides of Nitrogen in the Atmosphere under High Humidities. Revised to include new lot for Control Ribbon and Standard of Fading. Deleted references to colorimetric or spectrophotometric measurement of Control Ribbon (7.2 and 11.7). Provided additional background regarding control fabric (11.4.2 and 11.4.3).

TM173-2015, CMC: Calculation of Small Color Differences for Acceptability. Reaffirmed and editorially revised to update and correct references in the Notes section (8.1, 8.4, 8.5 and 8.6).

TM186-2015, Weather Resistance: UV Light and Moisture Exposure. Revised to add a new definition, change safety precaution 4.3, add 8.4 to define acceptable apparatus fluctuation and revised 10.6 regarding repositioning of specimen. Note 17.3 defines the number of specimens to be used, and 17.12 broadens the definition of specimen exposure area.

TM200-2015, Drying Rate of Textiles at their Absorbent Capacity: Air Flow Method. Revised to provide better clarity and additional detail. Fig. 4 was added to show examples of micropipettes.

TM204-2015, Water Vapor Transmission of Textiles. NEW AATCC test method to determine the relative water vapor transmission of textiles, particularly for textile outdoor products.

EP7-2015, Instrumental Assessment of the Change in Color of a Test Specimen. Revised to update reference in Note 9.3.

M6-2013, Standardization of Home Laundry Test Conditions. Editorially revised to reinstate the cold temperature range in Table IX, which was inadvertently left out of several Manuals.

A Glossary of AATCC Standard Terminology. Revised to include new definitions from TM111, TM186 and TM204.

AATCC Style Guide for Writing Test Methods. Revised to add abbreviation for Newton.