TEXTILE TESTING MATERIALS + EDUCATIONAL RESOURCES

2020
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ABOUT AATCC

AATCC has thousands of individual and corporate members worldwide and provides state-of-the-art test method development, quality control materials, education, and professional networking.

Members include materials and fiber producers, dye and chemical manufacturers, designers, textile manufacturers, instrument and machinery manufacturers, testing laboratories, consumer and retail organizations, government agencies, and universities and colleges.

The association was founded in 1921 by Dr. Louis Olney of the Lowell Textile School, Massachusetts, USA, and since its inception, has been dedicated to: Education, Research, and Communication.
ORDER

www.aatcc.org/pro | ordering@aatcc.org
Phone +1.919.549.3526 | Fax +1.919.549.8933

ORDER POLICIES

• Prices are subject to change without notice. Refer to www.aatcc.org/pro for current prices and product availability.

• All prices are shown in US funds net. Customers are responsible for all duties and taxes.

• Additional shipping fees apply for all addresses outside the United States. Additional fees apply for select items shipped within the United States.

• Additional $30 fee applies to all payments by wire transfer.

• Payment by Visa, MasterCard, and American Express is accepted.

• Make checks and money orders payable to AATCC.

• Orders must be prepaid in US funds net, drawn on a US bank.

• AATCC cannot send products or publications to regions under US federal embargo.

RETURN POLICIES

• All publications are non-returnable.

• Blotting paper, glassine paper, detergents, and the Raintester are non-returnable.

• Any returns on other quality control items are subject to approval by AATCC.

• AATCC must be notified by email within 10 days of any items that the customer is planning to return.

• 15% restocking fee may apply.

• AATCC contacts are Amy Holland, amy@aatcc.org, and Christy Lowery, loweryc@aatcc.org.

• When damage or loss occurs in freight shipments, AATCC must be notified immediately.

• AATCC will not be held responsible for shipment discrepancies unless notified within 2 days of receipt of goods.
PUBLICATIONS
AATCC Review has published textile research and news since 1969. AATCC Review covers fibers to finished products, and chemical synthesis to retail practices. Available in print and online.

www.aatcc.org/pub/aatcc-review
AATCC Review: ISSN 1532-8813 (Online)
AATCC Review: ISSN 2330-5525 (Print)

PRINT ONLY
US$310
US$279 (Subscription Agency)
Includes: AATCC Review bi-monthly print magazine & a print compilation of AATCC Journal of Research

ELECTRONIC ONLY
US$440
US$396 (Subscription Agency)
Includes: AATCC Journal of Research & AATCC Review electronic publications

PRINT + ELECTRONIC
US$650
US$585 (Subscription Agency)

BACK ISSUES
USA: US$33 (members)/US$49 (nonmembers)
International: US$38 (members)/US$54 (nonmembers)

MISSING ISSUES
See www.aatcc.org/pub/aatcc-review/#missing for AATCC’s replacement policy on missing issues.
www.aatcc.org/pub/aatcc-news

Free, award winning biweekly newsletter, published since 2004. The newsletter covers developing trends across all aspects of the textile industry.

**AATCC JOURNAL OF RESEARCH**

*AATCC Journal of Research*, electronic peer reviewed research journal (now also available in an annual print compilation). This textile research journal has a broad scope: from advanced materials, fibers, and textile and polymer chemistry, to color science, apparel design, and sustainability. Indexed by *Science Citation Index Extended (SCIE)* and discoverable in the Thomson Reuters Web of Science. The Journal’s impact factor is available in *Journal Citation Reports*.

www.aatcc.org/pub/aatcc-journal

AATCC Journal of Research: ISSN 2330-5517 (Online)
AATCC Journal of Research: ISSN 2472-3444 (Annual Print Compilation)

**ELECTRONIC ONLY**

US$440
US$396 (Subscription Agency)
Includes: *AATCC Journal of Research & AATCC Review* electronic publications

**PRINT + ELECTRONIC**

US$650
US$585 (Subscription Agency)
Includes: *AATCC Journal of Research & AATCC Review* electronic publications, PLUS bi-monthly print issues of *AATCC Review* & a print compilation of *AATCC Journal of Research*

**MISSING ISSUES**

See www.aatcc.org/pub/aatcc-journal/#missing for AATCC’s replacement policy on missing issues.
PRINT COMPILATION
A printed compilation of the online AATCC Journal of Research, includes all papers published in one year.
FREE SHIPPING!

2019 (Vol. 6) Item #01019A
2018 (Vol. 5) Item #01018A
2017 (Vol. 4) Item #01017A
2016 (Vol. 3) Item #01016A
2015 (Vol. 2) Item #01015A
2014 (Vol. 1) Item #01014A

BACK PRINT ISSUES
US$275 (members)/US$325 (nonmembers)

AATCC TECHNICAL MANUAL

The AATCC Technical Manual is a compilation of test methods, evaluation procedures, and monographs developed by AATCC Research Committees. The 2020 volume includes three new standards, 29 revised standards.

Hardbound book Item #03020A
PDF on USB Item #03020B
US$215 (members)/US$310 (nonmembers)

ONLINE SUBSCRIPTION
AATCC standards can be accessed as a company-wide online subscription through ASTM’s Compass database. The AATCC Collection includes all documents in the current AATCC Technical Manual, plus superseded historic standards and Technical Supplements. All documents are available in HTML and PDF format. AATCC Members receive 30% off the regular ASTM Compass subscription price.

Item #03017C www.astm.org/aatcc

INDIVIDUAL STANDARDS
Individual AATCC Test Methods, Laboratory Procedures, Evaluation Procedures, and Monographs are available for immediate download in PDF format. Ensure you have the most recent versions of all documents.

www.aatcc.org/test/methods
US$50 (members)/$70 (nonmembers)
OTHER TEXTILE STANDARDS

INFO & STANDARDS FOR UV PROTECTIVE TEXTILES
Jointly published by AATCC and ASTM D13, this downloadable compilation provides guidance for the complete UPF verification process. Includes ASTM D6544, AATCC TM183, and ASTM D6603 standards, plus an introduction and flowchart. Published 2017.

Item #03005A  US$68 (members)/US$98 (nonmembers)

ASTM STANDARDS, VOLUMES 7.01 & 7.02
ASTM Book of Standards, volumes 7.01 & 7.02 (published annually in November). Includes most textile-related standards published by ASTM Committee D13.

Item #04408A  US$495 (members)/US$710 (nonmembers)

TECHNICAL SUPPLEMENT
A downloadable compilation of industry practices and guidelines for textile products. THESE ARE NOT OFFICIAL AATCC OR ASTM STANDARDS. Published 2004.

Item #03000A  US$60 (members)/US$85 (nonmembers)

MOISTURE MANAGEMENT TECHNICAL SUPPLEMENT
Downloadable compilation of industry practices and internal standards related to moisture management. THESE ARE NOT OFFICIAL AATCC OR ASTM STANDARDS. Published 2008.

Item #03001A  US$60 (members)/US$85 (nonmembers)

FIBER IDENTIFICATION SUPPLEMENT
Downloadable *Fiber Identification Supplement to AATCC Test Methods 20 & 20A* contains color, polarized, first-order red micrographs; Fourier transform infra-red curves; and other techniques useful for any fiber testing laboratory. Published 2010.

Item #03003A  US$80 (members)/US$115 (nonmembers)
CONFERENCE PROCEEDINGS

INTERNATIONAL CONFERENCE
Searchable proceedings from each AATCC International Conference includes papers and presentations, plus author contact information and poster abstracts.

2019 (Forth Worth, TX USA) Item #02019A
2018 (Greenville, SC, USA) Item #02018A
2017 (Wilmington, NC, USA) Item #02017A
2016 (Williamsburg, VA, USA) Item #02016A
2015 (Savannah, GA, USA) Item #02015A

$70 (members)/$100 (nonmembers)

COLOR MANAGEMENT WORKSHOP
Presentations from the most recent Color Management Workshop at the AATCC Technical Center.

Item #01072A US$55 (members)/US$80 (nonmembers)

MISCELLANEOUS CONFERENCES
Downloadable proceedings from various AATCC conferences on current topics are available for online purchase on the AATCC website.

US$45 (members)/US$65 (nonmembers)

www.aatcc.org/pro
https://members.aatcc.org/store/
**TECHNICAL PUBLICATIONS: COLOR**

**TEXTILE COLORATION FOR THE RETAIL SUPPLY CHAIN**

*Textile Coloration for the Retail Supply Chain* is a straightforward overview of the various dyes and pigments used to color textiles, how they work, and their advantages and drawbacks. The book is designed to help non-dyers grasp basic textile coloration concepts without introducing chemical formulas, but provides technical supplements with deeper information for the more ambitious or technically-minded reader as well. A glossary provides additional information. This book will be a helpful reference for colorists, product designers, merchandisers, and other individuals in the supply chain who must deal with dyed or printed textile goods. By J. Richard Aspland and Ann C. Laidlaw. Published 2015.

- Downloadable PDF  Item #09616A
- Paperback  Item #09616B
- US$35 (members)/US$50 (nonmembers)

**COLOR GUIDEBOOK**

The *Color Guidebook* explains possible problems with color control programs, and offers best practices for managing such programs. Includes editable Appendices that may serve as an outline for developing your organization’s color evaluation and control program. By J. Richard Aspland & Ann C. Laidlaw. Published 2011.

- Download, individual license  Item #03004A
- Ring-bound, individual license  Item #03004C
- US$80 (members)/$115 (nonmembers)
- Download, corporate license  Item #03004B
- US$500 (members)/$715 (nonmembers)

**COLOR VISION & TECHNOLOGY**

*Color Vision & Technology* is a complete overview of color—what it is, how it’s experienced, and how it’s measured. More than 200 full-color photos, graphs, and diagrams help illustrate the concepts described in the text. A great refresher and ready reference for any color professional. Perfect for students and those without a formal education in color science. The book is provided as a searchable PDF. Click to jump to sections of interest or key word definitions. By Rolf Kuehni. Published 2008.

- Item #08400A  US$35 (members)/US$50 (nonmembers)
TEXTILE DYEING AND COLORATION


Item #09615A    US$30 (members)/US$40 (nonmembers)

TECHNICAL PUBLICATIONS: MISCELLANEOUS

SELECTING A TEXTILE TESTING LAB

Selecting a Textile Testing Lab is a guide to selecting a proficient lab. Topics include lab affiliation, specialized services, and test method development. By Diana Wyman. Published 2016.

Downloadable PDF    Item #09907A
Paperback            Item #09907B

US$0 (members, PDF)/US$20 (members, paperback)/US$30 (nonmembers, PDF or paperback)

ANALYTICAL METHODS FOR A TEXTILE LABORATORY

Analytical Methods for a Textile Laboratory includes general analytical test methods that can be used in a textile laboratory. Chapters cover fundamentals, single-fiber analysis, fiber cross-sections, analyzing damage, textile structures, interaction of water and textiles, identifying dye classes, spot tests, environmental analyses, formaldehyde, IR, X-ray and fluorescences, and chromatography. Third edition. Published 1984.

Item #08505A    US$30 (members)/US$40 (nonmembers)
TESTING MATERIALS
AATCC 1993 STANDARD REFERENCE DETERGENT

AATCC 1993 Standard Reference Detergent is used for home laundering tests. Detergent without optical brightener (WOB) is particularly useful to evaluate colorfastness without interference. Powder formula.

Visit [www.aatcc.org/test/washers](http://www.aatcc.org/test/washers) for details.

10-kg bucket WITHOUT brightener  
Item #48349C  US$285

10-kg bucket WITH brightener  
Item #49145C  US$285

90-kg drum WITHOUT brightener  
Item #48349D  US$1,600 + shipping

90-kg drum WITH brightener  
Item #49145D  US$1,600 + shipping

AATCC HE LIQUID DETERGENT

High Efficiency (HE) Standard Reference Liquid Detergent is used for home laundering tests. Detergent without optical brightener (WOB) is particularly useful to evaluate colorfastness without interference. Liquid formula.

Visit [www.aatcc.org/test/washers](http://www.aatcc.org/test/washers) for details.

13L bucket WITHOUT brightener  
Item #48805B  US$385

OXYGEN BLEACH W/ ACTIVATOR

Set includes 75 g sodium perborate monohydrate (PB1) and 100 g sodium nonanoyloxybenzene sulfonate (NOBS) bleach activator for use in AATCC TM190, Colorfastness to Home Laundering with Activated Oxygen Bleach Detergent: Accelerated.

Item #48372B  US$50
AATCC DETERGENT 171
AATCC Detergent 171 is used in AATCC TM171 Carpets, Cleaning of: Hot Water Extraction Method.
5-lb bucket Item #48723A US$60

AATCC GRAY SCALE FOR COLOR CHANGE
The AATCC Gray Scale for Color Change is used to visually evaluate change in color as described in AATCC EP1 or ISO 105-A02. Purchase includes a copy of EP1. Replace annually.
Item #28359A US$185

AATCC GRAY SCALE FOR STAINING
The AATCC Gray Scale for Staining is used to visually evaluate staining as described in AATCC EP2 or ISO 105-A03. Purchase includes a copy of EP2. Replace annually.
Item #28360A US$185

AATCC 9-STEP CHROMATIC TRANSFERENCE SCALE
The AATCC 9-Step Chromatic Transference Scale is used to visually evaluate color transfer or staining. The scale has five hues (red, yellow, green, blue and purple plus gray), all selected from the Munsell Book of Color. Includes a copy of AATCC EP8, AATCC 9-Step Chromatic Transference Scale. Replace annually.
Item #28347A US$325

AATCC RED 40 STAIN SCALE
The Red 40 Stain Scale is used for evaluation of carpet specimens tested according to AATCC TM175, Stain Resistance: Pile Floor Coverings. Replace annually.
Item #19129A US$220
**AATCC 3D SMOOTHNESS APPEARANCE REPLICA**s

Use Three-Dimensional Smoothness Appearance Replicas to evaluate specimens tested according to AATCC TM124, Smoothness Appearance of Fabrics after Home Laundering and TM143, Appearance of Apparel & Other Textile End Products after Home Laundering. Set of 6 plastic replicas. *Replace every 3 years.*

Item #68353A  US$575

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**AATCC PHOTOGRAPHIC SEAM SMOOTHNESS SCALES**

Photographic scales for evaluating seam smoothness according to AATCC TM88B, Seam Smoothness in Fabrics after Home Laundering and TM143, Appearance of Apparel and Other Textile End Products after Home Laundering. Includes single-and double-needle scales. *Replace every 3 years.*

Item #68373A  US$130

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**AATCC 3D CREASE REPLICA**S

Three-Dimensional Crease Replicas are used to evaluate fabrics that have been tested according to AATCC TM88C, Crease Retention in Fabrics after Home Laundering or TM143, Appearance of Apparel and Other Textile End Products after Home Laundering. *Replace every 3 years.*

Item #68720A  US$575

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**AATCC 3D WRINKLE RECOVERY REPLICA**S

Use Wrinkle Recovery Replicas to evaluate specimens tested according to AATCC TM128, Wrinkle Recovery of Fabrics: Appearance Method. *Replace every 3 years.*

Item #68390A  US$525

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**STAIN RELEASE SCALE**

The Stain Release Scale is used to evaluate fabrics tested according to TM130, Soil Release: Oily Stain Release Method. *Replace annually.*

Item #68379A  US$130
AATCC PHOTOGRAPHIC SPRAY TEST EVALUATION SCALE

The scale is used for evaluation of specimens tested according to AATCC TM22, Water Repellency: Spray Test. Replace every 3 years.

Item #78387A US$60

AATCC PHOTOGRAPHIC FLOCK SCALE

The Photographic Flock Scale is used for evaluating edge-wear of fabrics according to AATCC TM142, Appearance of Flocked Fabrics after Repeated Home Laundering and/or Coin-Op Drycleaning. Replace every 3 years.

Item #68356A US$110

AATCC PHOTOGRAPHIC FILTER RESIDUE SCALE

The Photographic Filter Residue Scale is used for evaluation of AATCC TM146, Dispersibility of Disperse Dyes: Filter Test. Replace every 3 years.

Item #58335A US$110

AATCC PHOTOGRAPHIC DYE DUSTING SCALE

Dye Dusting Scale is used to evaluate specimens tested according to AATCC TM170, Dusting Propensity of Powder Dyes: Evaluation of. Replace every 3 years.

Item #58725A US$110

CONTROL MATERIALS

BLUE WOOL LIGHTFASTNESS STANDARD

Use Blue Wool Lightfastness Standard specimens to calibrate and verify lightfastness testing as specified in applicable AATCC Test Methods. This standard is approved for measuring 20 AATCC Fading Units (AFU) or 5 AFU. L2, Lot 9.

Item #38362B US$215
STANDARD OF FADE FOR BLUE WOOL

This fabric has been faded to the specified endpoint as described in applicable AATCC test methods, including AATCC TM16.3, Colorfastness to Light: Xenon-Arc. Match to exposed blue wool to determine when a test is complete.

FOR USE WITH L2, LOT 9 ONLY

20 AFU Standard of Fade  Item #38610B  US$165
5 AFU Standard of Fade  Item #38611B  US$165

LIGHTFASTNESS PACKAGE

A complete package for performing lightfastness tests. Includes Blue Wool Lightfastness Standard and Standard of Fade to determine test end point. $380 value. Lot 9.

20 AFU Package  Item #38614B  US$250
5 AFU Package  Item #38615B  US$250

NYLON SLEEVE 129 & STANDARD OF FADE

Nylon Sleeve 129 is the control fabric used in AATCC TM129, Colorfastness to Ozone in the Atmosphere under High Humidities to determine a cycle of fading. The Standard of Fade is included.

Item #38371A  US$170

CHLORINE TEST CONTROL FABRIC 162

Chlorine Test Control Fabric is used in AATCC TM162 Colorfastness to Water: Chlorinated Pool to verify that the test is performed correctly.

Item #38609A  US$105

LIGHT TRANSMISSION VERIFICATION FABRIC

Light Transmission Verification Fabric is used with AATCC TM183, Transmittance or Blocking of UV Radiation through Fabric. 12 pre-cut specimens for monthly verification of instrument and operator performance.

Item #38618A  US$105
COLOR EVALUATION

MAGNETS FOR VIEWING STAND
Magnets hold colorfastness specimens, masks, and scales in place for accurate visual evaluation. Set of 4.

Item #28341A        US$35

VIEWING STAND
The Viewing Stand is used to position colorfastness specimens at a 45-degree angle for proper visual evaluation. Includes four magnets to hold specimen, mask, and scale in place.

Item #28342A        US$190

AATCC GRAY SCALE FOR COLOR CHANGE
The AATCC Gray Scale for Color Change is used to visually evaluate change in color as described in AATCC EP1 or ISO 105-A02. Purchase includes a copy of EP1. Replace annually.

Item #28359A        US$185

AATCC GRAY SCALE FOR STAINING
The AATCC Gray Scale for Staining is used to visually evaluate staining as described in AATCC EP2 or ISO 105-A03. Purchase includes a copy of EP2. Replace annually.

Item #28360A        US$185

AATCC 9-STEP CHROMATIC TRANSFERENCE SCALE
The AATCC 9-Step Chromatic Transference Scale is used to visually evaluate color transfer or staining. The scale has five hues (red, yellow, green, blue and purple plus gray), all selected from the Munsell Book of Color. Includes a copy of AATCC EP8, AATCC 9-Step Chromatic Transference Scale. Replace annually.

Item #28347A        US$325
GRAY CARD STOCK
Non-optically brightened stock (8.5” × 11”) is neutral gray for mounting specimens for visual evaluation as described in AATCC EP9, Visual Assessment of Color Difference of Textiles. Suitable for use in laser printers. 50 sheets.

Item #28510A US$35

IDENTIFICATION & ANALYSIS

AATCC PHOTOGRAPHIC FILTER RESIDUE SCALE
The Photographic Filter Residue Scale is used for evaluation of AATCC TM146 Dispersibility of Disperse Dyes: Filter Test.

Item #58335A US$110

BASIC DYSES
This set of 10 Basic Dyes is used in AATCC TM141, Compatibility of Basic Dyes for Acrylic Fibers. 50-g bottles.

CI Basic Blue 22
CI Basic Blue 45
CI Basic Blue 47
CI Basic Blue 69
CI Basic Blue 77
CI Basic Orange 42
CI Basic Orange 48
CI Basic Yellow 15
CI Basic Yellow 28
CI Basic Yellow 29

Item #58343A US$125

STAINLESS STEEL RING
The Stainless Steel Ring holds filter paper in place for testing according to AATCC TM146, Dispersibility of Disperse Dyes: Filter Test.

Item #58380A US$115
AATCC PHOTOGRAPHIC DY DUSTING SCALE
Dye Dusting Scale is used to evaluate specimens tested according to AATCC TM170, Dusting Propensity of Powder Dyes: Evaluation of.
Item #58725A US$110

DY DUSTING PAPER COLLARS
Dye Dusting Paper Collars are used in AATCC TM170, Dusting Propensity of Powder Dyes: Evaluation of. 48 collars.
Item #58727A US$40

STAINLESS STEEL FUNNEL AND CYLINDER
Item #58756A US$885

CROSS-SECTION SLIDES
Simplify fiber cross-section analysis with these perforated slides. 50 slides.
Item #59127A US$65

YARN AND FABRIC HOLDERS FOR MICROSCOPIC ANALYSIS
Yarn and Fabric Holders simplify defect or construction analysis with a microscope.
Item #59130A US$70

MICROSCOPY CROSS-SECTION KIT
Microscopy Cross-Section Kit contains the necessary tools for making fiber and yarn cross-sections according to AATCC TM20, Fiber Analysis: Qualitative. Kit includes: Storage box (1), Slide box (1), Microscope slides (25), Cross-section slides (15), Cover glasses (7), Corks (15), Needles (10), Crewel needles (3), Needle threader (1), Black filler yarn, White filler yarn, Clothespin (1), Fine-bristle brush (1), Yarn and fabric holder (1), Plexiglass plate (1), Dissecting needle (1), Dissecting forceps (1), Single edge razor blades (15), Needle pullers (2), Instruction Sheet: Hand Techniques for Cross-Sectioning Fibers and Yarns.
Item #59138A US$240
RAZOR BLADES
Single-edge Razor Blades for microscopy cross-sections and other uses. Box of 100 blades.
Item #59139A US$65

FILLER YARN FOR CROSS-SECTIONS
Filler Yarn is used to prepare fiber cross sections as described in AATCC TM20, Fiber Analysis: Qualitative. Black and white filler to highlight fibers of all colors.
Item #59144A US$50

PHYSICAL PROPERTY TESTING

AATCC 3D SMOOTHNESS APPEARANCE REPLICAS
Use Three-Dimensional Smoothness Appearance Replicas to evaluate specimens tested according to AATCC TM124, Smoothness Appearance of Fabrics after Home Laundering and TM143, Appearance of Apparel & Other Textile End Products after Home Laundering. Set of 6 plastic replicas. Replace every 3 years.
Item #68353A US$575

AATCC PHOTOGRAPHIC SEAM SMOOTHNESS SCALES
Photographic scales for evaluating seam smoothness according to AATCC TM88B, Seam Smoothness in Fabrics after Home Laundering and TM143, Appearance of Apparel and Other Textile End Products after Home Laundering. Includes single-and double-needle scales. Replace every 3 years.
Item #68373A US$130

AATCC 3D CREASE REPLICAS
Three-Dimensional Crease Replicas are used to evaluate fabrics that have been tested according to AATCC TM88C, Crease Retention in Fabrics after Home Laundering or TM143, Appearance of Apparel and Other Textile End Products after Home Laundering. Replace every 3 years.
Item #68720A US$575
INCANDESCENT FLOOD LAMP
Incandescent Flood Lamp, 500 watt, 120 volt, 90° flood spread. For use with AATCC TM88C, Crease Retention in Fabrics after Home Laundering and TM143, Appearance of Apparel and Other Textile End Products after Home Laundering.
Item #68395A  US$85

WRINKLE TESTER
The Wrinkle Tester is used to induce uniform wrinkling according to AATCC TM128, Wrinkle Recovery of Fabrics: Appearance Method.
Wrinkle Tester  Item #68391A  US$1,325
Replacement Clip & Clamp  Item #68392A  US$95
Replacement Weights  Item #68393A  US$425

AATCC 3D WRINKLE RECOVERY REPLICAS
Use Wrinkle Recovery Replicas to evaluate specimens tested according to AATCC TM128, Wrinkle Recovery of Fabrics: Appearance Method. Replace every 3 years.
Item #68390A  US$525

STAIN RELEASE SCALE
The Stain Release Scale is used to evaluate fabrics tested according to AATCC TM130, Soil Release: Oily Stain Release Method. Replace annually.
Item #68379A  US$130

GLASSINE PAPER
Glassine Paper is specified in AATCC TM130, Soil Release: Oily Stain Release Method.
Item #68357A  US$130

5-LB CYLINDER WEIGHT
5-lb cylindrical, stainless steel weight (6.4-cm diameter) for use in AATCC TM130, Soil Release: Oily Stain Release Method.
Item #68381A  US$275
### AATCC PHOTOGRAPHIC FLOCK SCALE

The Photographic Flock Scale is used for evaluating edge-wear of fabrics according to AATCC TM142, Appearance of Flocked Fabrics after Repeated Home Laundering and/or Coin-Op Drycleaning. *Replace every 3 years.*

| Item #68356A | US$110 |

### SHRINKAGE SCALE

Quickly and easily mark and measure dimensional change specimens. 18-, 10-, or 8-inch benchmarks. Read percent change directly; no need for calculations. Use with AATCC TM96, Dimensional Changes in Commercial Laundering of Woven and Knitted Fabrics Except Wool; TM135, Dimensional Changes of Fabrics after Home Laundering; and TM150, Dimensional Changes of Garments after Home Laundering.

| Item #68375A | US$120 |

### INDELIBLE MARKING PENS

Set of two marking pens. Will not wash out in home or commercial laundering. Point is suitable for use with Shrinkage Scale.

<table>
<thead>
<tr>
<th>Color</th>
<th>Item #</th>
<th>Price</th>
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</table>
**IMPACT PENETRATION TESTER**

The Impact Penetration Tester is used for AATCC TM42, Water Resistance: Impact Penetration Test.

Type I apparatus also includes nozzle, chart, and hoop to perform AATCC TM22, Water Repellency: Spray Test.

Type II apparatus was specifically designed for testing nonwovens. A sturdier frame and drip tray improve testing reproducibility for a variety of materials. Submit quote request or contact AATCC for shipping costs.

<table>
<thead>
<tr>
<th>Tester, Type I</th>
<th>Item #78733A</th>
<th>US$1,350</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tester, Type II</td>
<td>Item #78734A</td>
<td>US$3,650 + shipping</td>
</tr>
<tr>
<td>Replacement Nozzle</td>
<td>Item #78384A</td>
<td>US$335</td>
</tr>
<tr>
<td>Replacement Clip &amp; Plate</td>
<td>Item #78383A</td>
<td>US$290</td>
</tr>
</tbody>
</table>

**SPRAY TESTER**

The Spray Tester is used for AATCC TM22, Water Repellency: Spray Test. Order includes the evaluation scale and specimen-mounting hoop.

<table>
<thead>
<tr>
<th>Spray Tester</th>
<th>Item #78385A</th>
<th>US$990</th>
</tr>
</thead>
<tbody>
<tr>
<td>Replacement Nozzle</td>
<td>Item #78911A</td>
<td>US$165</td>
</tr>
<tr>
<td>Replacement Hoop</td>
<td>Item #78388A</td>
<td>US$25</td>
</tr>
</tbody>
</table>

**AATCC PHOTOGRAPHIC SPRAY TEST EVALUATION SCALE**

The scale is used for evaluation of specimens tested according to AATCC TM22, Water Repellency: Spray Test.

| Item #78387A | US$60 |
RAIN TESTER
The Rain Tester is used to measure water penetration resistance of fabrics or combinations of fabrics at different intensities as described in AATCC TM35, Water Resistance: Rain Test. Submit quote request or contact AATCC for shipping costs.

Rain Tester Item #78728A US$7,065 + shipping
Replacement Nozzle Item #78729A US$275
Replacement Specimen Holder Item #78730A US$550

BLOTTING PAPER
AATCC Blotting Paper is an absorbent nonwoven material used in AATCC test methods for water resistance or repellency (AATCC TM35, 42, and 70), soil release (AATCC TM130), wet crocking (AATCC TM8 and 116), and others. Order pre-cut or full sheets. Due to carton weight/dimensions, please submit quote request or contact AATCC for shipping information on all blotting papers.

20” × 40” (125 Sheets) Item #78344A US$525 + shipping
10” × 10” (1000 Sheets) Item #78344B US$525 + shipping
6” × 9” (1500 Sheets) Item #78344C US$525 + shipping
6” × 6” (2250 Sheets) Item #78344D US$525 + shipping

AATCC VAPOR TRANSMISSION CONTROL PAPER
Vapor Transmission Control Paper is used in AATCC TM204, Water Vapor Transmission of Textiles. 100 pre-cut specimens.
Items #79149A $40
CARPET TESTING

TM134 SANDALS
Sandals are made from Neolite XS 664P-HK material. Replacement soles may be cut from Neolite Sheet. Suede Soles may be attached. For use in AATCC TM134, Electrostatic Propensity of Carpets.

- Sandals, Large Item #19141A US$485
- Sandals, Small Item #19141B US$485
- Neolite Sheet (46 × 46 cm) Item #18378A US$115
- Suede Soles, Large Item #19147A US$50
- Suede Soles, Small Item #19147B US$50

STANDARD CARPETS FOR STATIC TESTING
Standard Carpets are used in AATCC TM134, Electrostatic Propensity of Carpets. Order includes two carpets, each 100 × 100 cm. One carpet is static protected; one is unprotected.

Item #19137A US$375

STANDARD RUBBERIZED JUTE CUSHION FOR STATIC TESTING
Standard Rubberized Jute/Hair Cushion Underlay is used in AATCC TM134, Electrostatic Propensity of Carpets. 100 × 100 cm.

Item #19136A US$115

AATCC STANDARD VINYL TILES
AATCC Standard Vinyl Tiles are used with AATCC TM137, Rug Back Staining of Vinyl Tile.

Item #18382A US$150

AATCC RED 40 STAIN SCALE
The Red 40 Stain Scale is used for evaluation of carpet specimens tested according to AATCC TM175, Stain Resistance: Pile Floor Coverings. Replace annually.

Item #19129A US$220
CARPET-STAIN CUP AND RING SETS
Cup & Ring set is used in AATCC TM175, Stain Resistance: Pile Floor Coverings. 2 cups, 2 rings.
Item #19131A US$60

RED 40 DYE FOR CARPET STAIN TESTING
Red 40 Dye is used in AATCC TM175, Stain Resistance: Pile Floor Coverings.
Item #19140A US$55

OTHER

CONDITIONING/DRYING RACK (DRAWINGS)
Drawings and dimensions for racks to be used with AATCC methods and other test methods requiring conditioning in a standard atmosphere for textile testing.
Item #88616A US$50

OZONE CHAMBER (BLUEPRINT)
Blueprint for the Ozone Chamber specified in AATCC TM129, Colorfastness to Ozone in the Atmosphere Under High Humidities.
Item #88345A US$55

BURNT GAS CHAMBER (BLUEPRINT)
Blueprint for the Burnt Gas Chamber specified in AATCC TM23, Colorfastness to Burnt Gas Fumes.
Item #88346A US$55

FABRIC-TO-METAL TEST APPARATUS
The Fabric-To-Metal Test Apparatus is used to determine the static cling of fabrics as specified in AATCC TM115, Electrostatic Clinging of Fabrics: Fabric to Metal Test. Ships within one week of placing order.
Item #88354A US$220
FARNSWORTH MUNSELL 100-HUE TEST

This test offers an easy-to-administer but highly effective method for measuring color vision. Used by the government and industry for more than 40 years, the test consists of four trays containing a total of 85 removable color reference caps (incremental hue variation) spanning the visible spectrum.

Item #88900A    US$885

PSEUDOISOCHROMATIC PLATES (COLOR VISION TEST)

The HRR (Hardy Rand and Rittler) Standard Pseudoisochromatic Test, 4th Edition supports efficient color deficiency screening. The figures are independent of language and suitable for both adults and children. Includes screening and diagnostic plates.

Item #88905A    US$300

AATCC LOGO LAPEL PIN/TIE TAC

Display the AATCC logo as a tie tack or lapel pin in 10K gold.

Item #88394A    US$40
AATCC and the College of Textiles at North Carolina State University offer online instruction on your schedule. Textile Fundamentals provides in-depth study from fiber to finishing. Participants view processing operations and techniques via 3-D animation and video clips. Choose one module, or the complete series. Visit www.aatcc.org/evnt/online/fundamentals for details. Each subscription provides 2-month access for one individual. Contact AATCC for information about group licenses.

- Textile Fibers
- Filament Yarns & Texturing
- Spun Yarn Manufacturing
- Warp Preparation
- Weft Knitting
- Warp Knitting
- Weaving
- Nonwovens
- Fabric Preparation
- Color and Color Properties
- Dyestuffs & Dyestuff Applications
- Printing
- Chemical Finishing
- Mechanical Finishing

US$75 (members)/US$105 (nonmembers)

AATCC’s Textile Ultraviolet Calibration Standard (TUVCS) for spectrophotometer light source content increases the accuracy and quality of electronic data communication within the textile industry. The calibration method provides a target CIE-whiteness value so a user can properly position the spectrophotometer’s UV filter, regardless of the instrument geometry or adjustment methodology. Annual subscription includes two shipments of TUVCS, AATCC Evaluation Procedure 11 Spectrophotometer UV Energy Calibration Procedure for Optically Brightened Textiles, and certificate of traceability. Visit www.aatcc.org/test/uv for details.

FREE SHIPPING!

New Subscription QUVC2 US$325
Renewal QUVC US$325
Replacement UV Calibration Standard QUVCR US$150
Receive samples, instructions, and data sheets from AATCC. Submit test results online to view a report of all participating labs’ data. Each lab has a code to identify its data. Full-year subscription includes two shipments and reports. Registered labs receive a Certificate of Participation at the end of the calendar year. Additional proficiency programs available from ASTM International (www.astm.org/STATQA/textiles.html). Participate in one or all programs. Visit www.aatcc.org/test/proficiency for details. FREE SHIPPING!

**VISUAL COLOR EVALUATION**

Samples distributed in January and June.
- AATCC EP1, Gray Scale for Color Change
- AATCC EP2, Gray Scale for Staining
- AATCC EP7, Instrumental Assessment of Change in Color of a Test Specimen
- AATCC EP12, Instrumental Degree of Staining

US$375/year  US$215/half year

**FIBER ANALYSIS**

Samples distributed in February and August.
- AATCC TM20, Fiber Analysis: Qualitative
- AATCC TM20A, Fiber Analysis: Quantitative

US$375/year  US$215/half year

**APPEARANCE AND PHYSICAL PROPERTIES**

Samples distributed in March and September.
- AATCC TM88B, Seam Smoothness in Fabrics after Home Laundering
- AATCC TM88C, Crease Retention in Fabrics after Home Laundering
- AATCC TM124, Smoothness Appearance of Fabrics after Home Laundering
- AATCC TM128, Wrinkle Recovery of Fabrics: Appearance Method
- AATCC TM135, Dimensional Changes of Fabrics after Home Laundering
- AATCC TM179, Skew Change in Fabrics after Home Laundering

US$600/year  US$345/half year
ANTIBACTERIAL
Samples distributed in April.
• AATCC TM100, Antibacterial Finishes on Textile Materials: Assessment of
• AATCC TM147, Antibacterial Activity Assessment of Textile Materials: Parallel Streak Method
US$345/half year

RESISTANCE AND REPELLENCY
Samples distributed in May and November.
• AATCC TM22, Water Repellency: Spray Test
• AATCC TM35, Water Resistance: Rain Test
• AATCC TM42, Water Resistance: Impact Penetration Test
• AATCC TM118, Oil Repellency: Hydrocarbon Resistance Test
• AATCC TM127, Water Resistance: Hydrostatic Pressure Test
US$600/year US$345/half year

COLORFASTNESS
June 2020:
• AATCC TM8, Colorfastness to Crocking: Crockmeter Method
• AATCC TM15, Colorfastness to Perspiration
• AATCC TM16.3, Colorfastness to Light: Xenon-Arc
• AATCC TM61, Colorfastness to Laundering: Accelerated
• AATCC TM133, Colorfastness to Heat: Hot Pressing
December 2020:
• AATCC TM8, Colorfastness to Crocking: Crockmeter Method
• AATCC TM61, Colorfastness to Laundering: Accelerated
• AATCC TM107, Colorfastness to Water
• AATCC TM133, Colorfastness to Heat: Hot Pressing
• AATCC TM162, Colorfastness to Water: Chlorinated Pool
US$375/year US$215/half year

MOISTURE MANAGEMENT
Samples distributed in October.
• AATCC TM79, Absorbency of Textiles
• AATCC TM195, Liquid Moisture Management Properties of Textile Fabrics
• AATCC TM197, Vertical Wicking of Textiles
• AATCC TM198, Horizontal Wicking of Textiles
• AATCC TM199, Drying Time of Textiles: Moisture Analyzer Method
• AATCC TM200, Drying Rate of Textiles at their Absorbent Capacity: Air Flow Method
• AATCC TM201, Drying Rate of Fabrics: Heated Plate Method
• AATCC TM204, Water Vapor Transmission of Textiles
US$345/half year
Want to learn more about AATCC test methods and materials? Watch for regular articles in *AATCC News* (page 7) and *AATCC Review* (page 6). See below for excerpts from a few recent issues.

**WHICH AATCC TECHNICAL MANUAL DO I NEED?**

So, what's the best format for the *AATCC Technical Manual*? Of course, it depends on personal preference and how you use it. In some cases, you may need more than one format to meet all your needs.

For quick access, particularly in the lab, nothing beats having a printed copy on hand. For more academic reading, the USB is a convenient option. And for a company-wide solution, an online subscription may be the best fit.


**NEW LAUNDERING CONDITIONS APPROVED!**

In January 2018, several research committees approved revised test methods with aligned, standard laundering conditions. These conditions will be applied to additional methods over the following months and are not expected to change again for some time. The standard conditions will ensure more repeatable testing within and among labs over time.


**STANDARD DETERGENT FOR HIGH-EFFICIENCY WASHERS**

Although the latest revision of several AATCC laundering test methods and procedures defines standard laundering conditions for traditional top-loading machines, many labs also have high-efficiency (HE) washing machines. AATCC offers a standard detergent specifically formulated for use in HE washers.

AATCC HE detergent produces less foam than consumer detergents for 1.8-kg testing loads. Excess foam residue can interfere with test results and damage the washing machine.

While traditional detergents should never be used in HE washers, HE detergents can be used in traditional washers. AATCC LP-2018, Home Laundering: Machine Washing, includes instructions for use of both traditional powder detergent and HE liquid detergent in the Alternate Laundering Procedure for traditional top-loading washing machines.

AATCC HE detergent contains no optical brighteners that can interfere with color evaluation.

WHAT EXACTLY IS “AVAILABLE CHLORINE”?  

The term “available chlorine” is mentioned in several AATCC test methods, including AATCC TM61, Colorfastness to Laundering: Accelerated. The term and its accompanying calculation have been a source of confusion and conversation over several committee meetings.

Only diatomic chlorine (Cl\(_2\)) is considered “available.” One chlorine atom of each Cl\(_2\) molecule comes from the NaOCl. The other chlorine atom comes from a Cl\(^-\) ion in the solution. (The ions exist as a biproduct of hypochlorite manufacturing process.)


USING AATCC BLUE WOOL

AATCC currently sells Blue Wool Lightfastness Standard fabric for measuring increments of 5 and 20 AATCC Fading Units (AFU). This is equivalent to standards commonly referred to as L2 and L4.

AATCC lightfastness testing involves exposing a material to a specified amount of light, then measuring the change in color or other properties of the material. The correct unit for measuring exposure is AATCC Fading Units (AFU).

For each test, three specimens of the AATCC Blue Wool Lightfastness Standard are exposed along with test specimens. When the Lightfastness Standard reaches the 20-AFU end-point, all specimens have been exposed to 20 AFU.

AATCC is actively working to create additional Blue Wool Lightfastness Standards to make testing more efficient, particularly for high-AFU exposures.


MEASURING UV PROTECTION FROM APPAREL FABRICS

Most people understand why UV protection is important—exposure to ultraviolet radiation from the sun can cause uncomfortable sunburns and deadly cancers.

There are three important components to determining the level of UV protection provided by a fabric.

1. Skin Response: The first piece to understand is how human skin reacts to UV radiation.
2. Exposure: The second element is how much radiation reaches the skin.
3. Transmittance: While the first two components are established and published in the standards, transmittance (T\(_\lambda\)) is the final piece to be measured on test specimens. A spectrophotometer or spectroradiometer is used to measure the radiation passing through a fabric at each relevant wavelength.

UV transmittance is not just a quality control test. The impact of an incorrect UPF claim is more serious than for an item that shrinks more than expected in the wash. For this reason, UPF claims are more regulated than many other textile properties. There are detailed rules about what can and cannot be included on a label. Companies selling sun-protective clothing should review all the relevant standards and regulations to ensure correct testing and labeling of their products.

See item #03005A (page 9), Item #38618A (page 18), and www.aatcc.org/pub/aatcc-news/newsletters/0918b-story1 for more information.