AATCC Committee Meeting Highlights

AATCC Research Committees met for the Fall 2025 Committee Meetings on November 11 - 13 at The StateView Hotel in Raleigh and AATCC Headquarters in Research Triangle Park, NC.

RA: Research committee (Active)

ECR: Executive Committee on Research

TCR: Technical Committee on Research

TM: AATCC Test Method

LP: AATCC Laboratory Procedure

EP: AATCC Evaluation Procedure

M: AATCC Monograph

P&B: Precision & Bias

Executive Committee on Research

- Welcome Gregg Woodcock – AATCC Exec Director
- Meeting attendance totaled 68 onsite and 100 remote participants.
- International Test Methods Committee (C2-S1) - Plenary Meetings
    - Potential shift toward PPP efficiency testing programs.
    - Development of ISO methods incorporating LED lighting specifications.
    - Consideration of adding 105A standard to provide light box technical data.
    - Recommendation for stronger U.S. in-person representation at future plenaries.
    - ASTM declined AATCC's proposal to fund research for new standards.
- TCR Nominations
    - Dr. Kedena Henriques-Thompson **– Chair RA113 and Co-Chair RA100**
    - Eberenna(Bernie) Igba – **Co-Secretary RA100**
- Approval of RA Chairs
    - Dr. Jintu Fan – **Chair RA114**
- Acknowledgement of RA Committee Chairs whose term ended in 2025
    - John Crocker – Chair of RA33
    - Paul Pinkston – Chair of RA42
    - Suzanne Holmes – Chair of RA56

    - Renuka Dhandapani – Chair of RA61
    - Kerry King – Chair of RA80
    - Colin Whittaker – Chair of RA114
    - Dennis Scheer – Chair of RA115
- Technical Department Success
    - Strong engagement and sales at ITMA Asia.
    - ATA textile challenge Activity during the ATA .
    - Multiple workshops delivered.
    - Inventory/assembly area redesign completed
    - Launch of ProLab enhancement for proficiency testing program
    - UV Calibration Program continues strong performance.
- Technical Product Updates
    - 2026 manual will be available starting in January 2026. It includes XX new standards and XXX revised.
- Technical Training activities
    - Educators' Global Training Program,
        - Pilot completed with Thomas Jefferson University; Students who are AATCC members and pass the course receive certification; Discussion on possible expansion; follow-up required.
    - CTIC workshop, Specifiers Workshop (13 attendees, 5 paying), Test Method Training Workshop.
- Future Test Method Development Suggestions
    - Funding student research, internships, or fellowships.
    - Potential call for proposals to universities.
    - Re-establishing technical subjects to support development.

RA23, Colorfastness to Water – Chair – Matt Marshall

- TM15 - Current but due in 2026 - Still working on updating/reviewing.- Alkaline perspiration was removed a while ago from method, questions have come up about the pH tolerance of the Alkaline solution and the concentration of some chemicals used. Possibly get together some labs that run it to find pH tolerance for Alkaline.
- TM162 - (Overdue 2016) - posted in communities to get everyone's help, Carrie with AATCC can help with testing if needed
- TMXX CF to Bromine - need to figure out if there's any correlation/differences between bromine meter and test kit, draft is in communities to make suggestions

RA24, Fiber Analysis – Chair – Joseph Lin

- Joseph Lin, having served as Chair for over three years, opened nominations for both Chair and Secretary positions.

- 2025 PTP2 (Fiber Analysis) Report
    - Polyester/Wool/Spandex Sample; Reported by 45 labs:
        - 1 lab reported triacetate as a fourth fiber; 1 lab reported cashmere as a third fiber; 1 lab reported 100% polyester.
    - Cotton/Spandex Sample:
        - 44 of 45 labs reported cotton/spandex; 1 lab reported 100% cotton.
    - Joseph's Recommendation: Employ Multiple analytical methods to ensure accurate fiber identification and analysis.
- New Method Development and Collaboration
    - Leather Content Method:
        - Ellen Roaldi (Bureau Veritas) will share a draft leather content method for RA24's review and consideration.
    - Pineapple Fiber Analysis Inquiry:
        - Rahul Rahul (Singapore) inquired about methods to distinguish pineapple fiber using AATCC fiber methods.
        - Joseph requested that Rahul send samples and internal methods to AATCC (Attn: Garry) for analysis under RA24 supervision.
    - Concern Raised on AATCC TM20:
        - Susan Matter noted that a photo labeled as "Rayon Modal" in TM20 appears mislabeled as "Rayon Viscose."
        - Action: Joseph to review the photo and follow up.
- Fiber Material Updates
    - Banana Fiber:
        - Assessment showed no observable differences between banana and cotton fibers.
        - Garry forwarded an article on banana fiber from Kanti to Joseph post-meeting.
    - Alginate Fiber:
        - Joseph reported having access to a new GB Method (2025) for alginate fiber analysis.

RA31, Antimicrobial Activity – Chair – Bob Monticello

- Review/Reaffirmation status report for all RA31 methods.
    - TM 147 – Submit for reapproval as it is.
    - TM 30 – Submit the four sections as they are. Include an additional fifth section in the submission, which details a new inoculation protocol for fungal spore culture to fabric. (To be shared via AATCC Communities)
    - TM 211 – Subcommittee Chair: Glenner Richard, Microban.

        - Both IAC and Microban have provided comments, and discussions are currently ongoing.
    - AATCC TM 100 – Subcommittee Chair: Brent Smith, Elevate Textiles
- Scouring method: RA31-DEV05912020-1.
    - Proposed Scour Monograph for preparing fabric samples for antimicrobial analysis. Goal: Clean fabric without affecting its antimicrobial properties or the substrate itself.
- Standard Untreated controls as Internal and External Performance Validation
    - An untreated control for AATCC TM 100 is necessary for accuracy.
    - Participants were presented with growth results of S. aureus and K. pneumoniae on a series of standard reference control fabrics.
- AATCC TM100 – Subcommittee Chair: Brent Smith, Elevate Textiles
    - Brent led a discussion on using either cotton control or general control and the option to increase the number of replicates.
    - James Hana from Microban will lead a subcommittee to draft a monograph.
- New Standard Test Method for Measuring Odor Adsorbency on Textiles (AATCC TM216-2024): *Test Method for Measuring the Odor Adsorbency of Textile Material Using a Representative Malodor of Human Origin*.
    - The RA31 committee has drafted a protocol to measure non-biocidal activity. Compared to ISO 17299-3, this method is less labor-intensive and offers rapid, repeatable analysis of the adsorbent properties of textiles using isovaleric acid. Key features include preconditioned fabrics, the use of a smaller container (22ml vial), and the ability to differentiate between treated and untreated samples. Additionally, a new session of TM216 to evaluate ammonia absorption was developed as a counterpart to ISO 17299-2. The results will be indicated by a color change and will be relevant to human sensory perception.
- Development of new ammonia absorbency and release test methods that are more applicable for surface bound odor adsorbing products.
    - Reference item E for updates.
- Evaluation of new AATCC Liquid Detergent for use in measuring durable antimicrobial activity.
    - IAC conducted a comparative study using the new AATCC Detergent on IAC viability control fabrics, reporting that bacterial growth varies depending on the washing condition—ranging from no wash, standard rinse, boiling, shaking, to saline solvent. David will share the impact of the new AATCC Detergent on different technologies on the community page.
    - Rinsing samples before antimicrobial testing is required when using the new AATCC Liquid Detergent, as the detergent has demonstrated antimicrobial

properties. We will continue to collaborate with other committees to address this issue.

- A new method proposed by Microban that bridges the gap between TM30 and TM100: an antifungal adaptation of TM100 utilizing *Aspergillus Niger* ATCC 6275.

RA32, Static Electricity – Chair – Victor Kholodkov

The committee did not meet**.**

RA33, Colorfastness to Atmospheric Contaminant – Chair – Open

The committee did not meet**.**

RA34, Preparation – Chair – William Buddy Garrett

- TM089 Test Method for Mercerization in Cotton - Submitted revisions for CLB and TCR Ballot. Ballots approved and publication request completed.
- TM101 Test Method for Colorfastness to Bleaching with Hydrogen Peroxide. - Submitted test method for withdrawal via CLB and TCR ballot. - Approved
- Requested volunteers to join a subcommittee to review TM 97 Test Method for Extractable Content of Cotton. Carla MacClamrock agreed to chair the subcommittee and Buddy Garrett agreed to join the subcommittee. The subcommittee will review the method and make recommendations to the committee.
- Prior to the meeting, Ken Greeson notified the Chair that TM82 Test Method for Fluidity of Dispersions of Cellulose from Bleached Cotton Cloth needed updating. Erika Simmons will make the correction update the method.

RA36, Color Measurement – Chair – Muhammad Zubair

- The sub-committee has revised EP1, EP2. They will be sent to Ballot once pending information is added and approved.
- The EP8 and EP12 are revised according to new formatting guidelines. Will be sent to Balloting with EP1 and EP2.
- Use of LEDs for Color evaluation
    - The RA36 will try to engage all the stakeholders to make standard LED light sources available for color evaluation.
    - Ask C2C for LED speakers and topics
    - Collaborate with coloration conference committee to incorporate LED topics in the event.
    - Will reach out to CIE on LED standard light sources.

RA42, Dimensional Change – Chair – Open

- John Crocker volunteered to update TM187 - 11/12/25

- New Commercial Washing procedure
    - Subcommittee investigate and develop commercial washing procedures (Subcommittee: Abe, Adi, Ellen, Jodi, Steve, Susan G)
    - Meeting to be scheduled by AATCC
- Helping to write a draft for an accelerated continuous cycle laundering procedure
    - Adi volunteered to assist in a subcommittee, *John Crocker volunteering equipment capabilities.

RA45, Finish Analysis – Chair – Carla MacClamrok

- Request from Chair for P&B volunteers TM 206 formaldehyde Submersion

RA49, Insect Resistance – Chair – Brent Smith

The committee did not meet.

RA50, Lightfastness and Weathering – Chair – Oscar Cordo

- RA50 published standards:
    - TM169 should have been finalized. Pending publication confirmed by Erika Simmon via email 11-11-25.
- Full list of standards reviewed:
    - TM16.3 and TM125 require review
    - Blue Wool Update (AATCC) due in 2027
        - Update from ASTM G03.01 Reference Material TG (possible liaison)
        - Garry notes that the blue wool “L series” interlaboratory comparison is in progress
- ISO Standards Update (Oscar Cordo)
    - Majority of standards confirmed
    - ISO 105-B02 and B06 received comments from Japan and Germany.
- Editorial revisions are required for the following standards
    - Revision of TM 16.3 Test Method for Colorfastness to Light: Xenon-Arc
        - Consulting with Alan Buttenhoff (RA36) to harmonize text on masking carpet pile.
    - Revision of TM 125 Test Method for Colorfastness to Perspiration and Light
    - All drafts should be prepared before next meeting.

- Ongoing liaison with ASTM Committee G03 on Terminology and Reference Material Work will continue for Relevant terminology in AATCC and ASTM standards to pursue harmonization.
    - Considering ISO terminology - Oscar Cordo and Diana Wyman were to continue harmonization discussions.

RA56, Stain Resistance – Chair – Matt Westman

- Test Method for Spot Cleaning: Household Soils (DRAFT)–
    - Updated statistical analysis of ILS data by Erika and AATCC statistician received prior to meeting and was discussed during meeting.
    - "Results obtained from this method may not be reproducible…"
    - The chair will post to Communities this analysis for committee review/feedback.
- TM118 Oil Repellency: Hydrocarbon Resistance – Table 1 lists Melting Points and Boiling Points; It may be best to reformat. Suzanne and Steve to connect and discuss offline.
- TM118 Oil Repellency: Hydrocarbon Resistance – Photographic images for A-D ratings showing a simplified POV.
    - Matt will post copies of these images/text for additional discussion on the Communities page. May be able to leverage the work Mark Granger with ASTM.
- TM 118 pending 5 year review, Matt Westman to lead
- TM 193 is coming up for review due 2027, looking for volunteers

RA59, Colorfastness to Washing – Chair – Miranda Klaas

- EP 10 Needs to be updated. (Last revised in 2018)
- MFF updates-
    - Stationary tests v Dynamic tests
        - TM 61: MFF with fused edges; TM 15, 106, 107: MFF with unfused edges.
        - Fused edges seem to work in the perspiration tester, without air bubble issues,
    - Not recommended to use the MFF with fused edges for any stationary colorfastness test,
- Multifiber Monograph - The Guidance on the Selection of Multifiber Fabric will be published in the 2026 AATCC Technical Manual as M15
    - There are GFC units and SOF in stock for 3-5 years (around 190 units)
- L-Standard (Blue Wool) Nov 2025 Status Report
    - Summary: 2 candidates for the L-Standard product have been found from dyeing and fading trials, which began in September 2023. They are toward the low range and mid-range of the L-Series.
- An interlab study (with 3 labs) was conducted from April 2025-October 2025.
    - Results are being reviewed for valid comparison on the fading behavior of the candidate fabrics. For more information, or if you would like to be more involved, please reach out to Garry Atkinson, atkinsong@aatcc.org

- No control/ verification fabric for TM 107 ; TM 162 Chlorine test fabric has no complaints
- No update on TM 129- Ozone control fabric Nylon Sleeve back in stock, no issues

RA60, Colorfastness to Washing – Chair – Susan Gassett

- A style guide revision is needed for the following – Status check with Susan
    - TM 61; TM 172; TM 188
- The Committee will conduct a survey to assess whether TM 188 needs to add LP 1 as a reference. This would align TM 188 better with other procedures that use laundering.
- Miranda may contact Barry Brady and Kim Nicholson to see if accelerated laundry can be discussed in the coloration seminar this winter.

RA61, Appearance Retention – Chair – Renuka Dhandapani

- Subcommittee has reviewed the test methods (TM88B, TM88C, TM128, and TM143) and made changes to reflect the removal of the redundant section and redirect to the LP06 method in the body of the test method.
- The committee needs to complete the one-year review of the LP06 Laboratory Procedure for the Preparation of Appearance Evaluation Area.
- The Chair and Secretary positions are vacant and will need to be filled.

RA63, Water Resistance, Absorbency, and Wetting Agent Evaluation – Chair – Kiarash Arangdad

- TM 127, 42, 35, 22 - working on wording for reaffirmation and will communicate with committee soon on what needs to be updated.
- TM22 – Video and additional wording added to the Standard
    - The committee decided to add that the purpose for the tapping is to remove water droplets from the surface.
    - A video may exist and would be beneficial for testers to understand the method.
- Updating P&B for TM42
    - Need data from labs to do a report.
    - Looking for fabric options (medical, Non0medical, woven, non-woven)
    - We will need to see if there will be approval for the funding of this project.
- Terms related to TM127
    - Subcommittee could possibly discuss making adjustments.

RA75, Evaluation for End-Use Performance – Chair –.Matt Marshall & Heather Elliot

- The committee Discussed their main activities and overall scope.
- There may be need for a subcommittee to develop a survey to present to attendees of test method workshops or to send to AATCC student chapters.

RA80, Printing Technology – Chair – Kerry King

- Kerry King gave a summary of the Inkspired: Innovations in Textile Printing Conference on November 6th and 7th.
    - She provided a presentation related to advancements in automated workflow for digital textile printing.
- This presentation was given in lieu of the originally scheduled presentation, "Sulphophenoxy Chemistry in Reactive Dye Design: Efficient Microwave Synthesis of Chloropyrimidine-Based Anthraquinone Dyes" by Dr. Saira Faisal, NED University of Engineering & Technology, Karachi Pakistan. Dr. Faisal's presentation will be shared in the AATCC Community platform for RA80.

RA87, Applied Dyeing and Characterization of Dyes – Chair – Bryan Dill

The committee did not meet

RA88, Home Laundering – Chair – Open

The committee did not meet**.**

RA89, Hand Evaluation – Chair – Alexander Gruener

- A Draft of the new TSA hand test method is being reviewed by Angela.
    - Once completed, it should be shared with the committee.
- TSA Objective Measurement of Fabric Quality – Need definition and supporting materials
- Possible Revision of EP5 Evaluation Procedure – Work is ongoing
- Round Robin Study Planning
    - TSA (current method under development)
    - Roaches (UK-based company; recently introduced method in Singapore)
    - Kawabata Evaluation System (older but still relevant)
    - Goal: identify limitations of each method (e.g., fabric types, constructions, finishes).
- Study design:
    - Must follow a proper DOE (Design of Experiments).
    - Needs clear objectives and expected outcomes.
    - Should ideally be conducted under AATCC oversight to avoid bias.
- Execution:
    - Multiple labs should participate to avoid the appearance of favoritism

    - AATCC labs may be used for controlled early-stage testing
    - Brands and retailers should be involved since they are key stakeholders
- Method Naming & Differentiation
    - Concern raised that multiple methods use similar terminology (tactile, haptics, hand).
    - Committee must ensure clear, distinct titles so users can easily identify which method applies to what.
- Next Steps:
    - Finalize and circulate the TSA draft method once formatting is complete.
    - Begin defining the scope and design of the round robin study.
    - Identify participating labs, companies, and brands.
    - Discuss method naming conventions in upcoming meetings.
    - Revisit round robin planning within the next six months.

RA99, Technical Manual Editorial Review – Chair – Angela Messengill

- Discussed status of methods being reviewed: TM26, TM93, TM119, TM120, TM131, TM158
- And methods coming up on 5yr review:
    - TM6-2021 – Colorfastness to Acids and Alkalis
    - TM114-2021 – Chlorine, Retained Tensile Loss: Multiple Sample
    - TM133-2020e – Colorfastness to Heat: Hot Pressing
    - TM185-2021 – Chelating Agents: Percent Content in Hydrogen Peroxide Bleach Baths; Copper Pan Indicator
    - TM191-2021 – Acid Cellulase Enzymes, Effect of: Top Loading Washer
- Committee may decide if some methods can be moved to an appropriate committee.

RA100, Global Sustainability – Chair – Kedena Henriques-Thompson & Aimee La Valley

- Update on TM 212,
    - Data has been compiled; Aimee has been analyzing data very close to P&B statistic.
    - P&B draft for approval coming soon, Data will be shared once finalized
    - Degree of sample difference should be confirmed.
    - NCSU lab has conducted NIR testing on 1 wash 5, 20, 30, 40,and 50.
- NIR Textile Sorting
    - New TM research investigated layered dyes affecting the accuracy of NIR textile sorting.
    - Challenges concerning sourcing fabrics looking for collaboration to run through NIR.
    - Rony Mia would like to join subcommittee on new NIR TM research

- EPR considerations
    - Steward act in govt looking at recycling, RI CO CA NY WA working on epr bills. EPR (extended producer responsibility)
    - Fiber blends make PC waste separation difficult. They will end up in EPR programs.
    - ISO and ASTM are developing solutions to the PC waste sorting problem.
    - AATCC coloration conference will be covering sustainable dyeing processes,
- Hyperspectral – NIR
    - Hyperspectral is a newer version of NIR that may be able to fully meet EPR requirements. It attempts to fully meet EPR requirements that demand for full fabric identification. There may be a need for a standard that incorporates hyperspectral imaging to more accurately identify fabric and fiber content in pc sorting

RA 102, Statistics Advisory – Chair - Radhakrishnaiah Parachuru

The Committee did not meet

RA103, Spectroscopic Technologies – Chair – Nelson Vinueza

- Dr. Nelson Vinueza from NC State University gave a presentation Centered on the Analysis of Bio-Degraded Dyed Cotton Fabrics: A Mass Spectrometry Approach".

RA104, Garment Wet Processing Technology – Chair – William Buddy Garrett

- Buddy Garrett provided background information on the Garment Wet Processing committee from both a historical perspective and on the current activities of the committee and the difficulty of procuring local subject expert speakers. Also, it is time to elect a new chairperson and secretary for this committee.
- Since much of the domestic garment wet processing is located on the west coast, Carrie Gray suggested we contact the California section to gauge interest in someone from that section chairing the committee. Additional input from Shawn Meeks indicated that there are enough garment wet processing facilities in the northeast to include the sections in that area as well.
- Carrie Gray will contact the California section, Delaware Valley section, NY-Metro section, and the New England section to gauge interest. She will also reach out to the Chemical Applications Interest Group and the Materials Interest Group to gauge interest in RA104.
- A question was asked about the laundering of medical textiles and if that would fall under the umbrella of RA104. While RA104 does not have any test methods associated with this committee, there was discussion from the group on how to direct this inquiry to the appropriate research committee for industrial laundering.

RA106, UV Protective Textiles – Chair – Open

The Committee did not meet

RA109, Flammability Technology Committee – Chair – Bethany Pollack

The Committee did not meet

RA111, Electronically Integrated Textiles – Chair – Open

The Committee did not meet

RA112, Thermal Analysis – Chair – Courtney Williams

- Reviewed 5/2025 meeting presentation by thermal manikin & exposure to sunlight heat source
- The AATCC Standard Test Method for Determining the Qmax (qmax) Value (Cool Touch Sensation) of Textile Fabrics now uses new KATO Tech, Japan, automatic Qmax machine (Robina Hogan, Seika USA)
    - Need to determine for different countries if there is any copyright infringement
    - Additional correlation data from old machine vs. new being gathered for more modeling
    - Provide loaner machine to Hong Kong Polytechnic University to run material trials
- Wet properties effects on thermal regulation. (Jintai Fun, HK Polytechnic University)
    - Leaf Vascular Patterned Fabric for Advanced Liquid Sweat Management
    - Summarize about lab & wear test results- Sweat Management Tester (SMT)
    - Assessing and Predicting the Subjective Wetness Sensation of Textiles
    - Psychophysical measurement of wet and clingy sensation
    - Courtney to distribute the studies

RA113, Emerging Issues – Chair – Dr. Kedena Henruques-Thompson

Committee did not meet.

RA114, Moisture Management – Chair – Jin-Tu Fan

- Bert Truesdale completed the review of TM27. He will resend it to Committee.
- John Crocker will check with Diana on reviewing the notes for TM199, this has not been done yet.
- Angela Coyne completed the TM200 Style guide aligning. It has been reviewed, and is ready for ballot.
- Courtney Williams will discuss with new chair on the WickView Test Method and understand how it will go with RA112/RA114 Sub Committee.
- Need to check on the following:
    - Style aligning of TM213. (Jennifer Lewis)

- Style aligning of TM198. (Kaitlin Sigmon)

RA115, Per and poly-fluoroalkyl Substances – Chair – Zijie Beryl Xia

- There was Discussion on the scope of the potential new methods for PFAS testing in textiles.
- AATCC needs a combination method that covers non-targeted and targeted (non-speciated and speciated approach for PFAS.
    - The method will cover finish products and treatment solutions and water from treatment.
- The committee needs to find some testing labs and some members who can provide materials to do a round Robin to determine quantitation details