

*Welcome to*

Advanced Textiles

EXPO

ORGANIZED BY 



# Next Level Innovation? Level-Up Your Standards Game!

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Advanced Textiles  
**EXPO**

# Learning Objectives

**SKILL**

**LOADING...**

EXPERIENCE

ABILITY

TRAINING

GROWTH

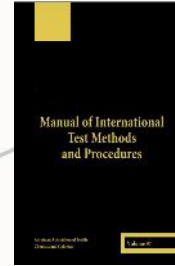
LEARNING

ADVANCED TRAINING

COMPETENCE

KNOWLEDGE

1. Understand the significance of testing standards
2. Explore practical applications of some new innovative standards
3. Identify potential opportunities for leveraging textile testing standards



## Our Mission

**AATCC connects the global textile community to empower an innovative, informed, and sustainable future.**

## **INTERNATIONAL STANDARDS DEVELOPING ORGANIZATION**

- PROFESSIONAL ASSOCIATION
- INDUSTRY PUBLICATIONS & EDUCATION
- TESTING SUPPORT PRODUCTS
- SUSTAINABILITY AND INNOVATION SUPPORT

# Why are Standards Essential?

## Product Verification



Quality

Safety

Consistency



VERIFIED

# Why are Standards Essential?

## Business Processes Validations

- Product Development
- Regulatory & Trade Compliance
- Risk Management
- Research and Development
- Consumer Confidence



A 3D rendered image of a wooden mouse trap. The trap is made of light-colored wood and features a coiled copper spring mechanism. A silver key is placed horizontally across the trap, with its head on the right and its bit on the left. The background is a plain, light gray surface.

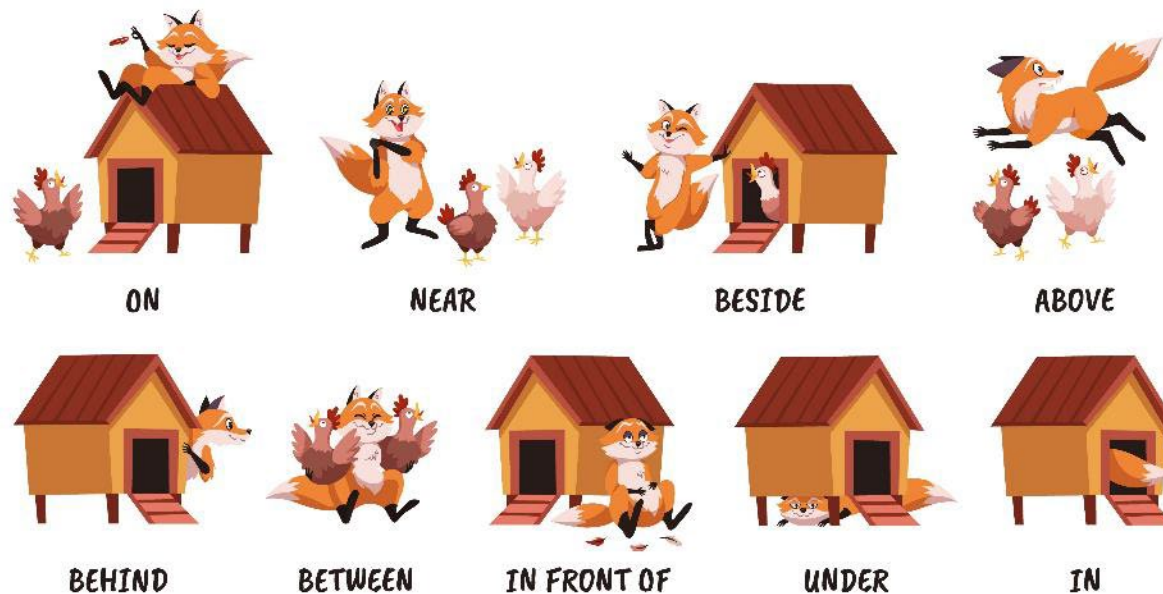
# Built A Better Mouse Trap

**Product Innovations, New Technologies, New Finishes, New Features, ...**

# Using Internal Results...

You See Growth, Innovation...

Your Customer Sees...







# International Standards Provide

- 
- Neutral Objectivity
  - Reproducibility
  - Repeatability
  - External Verification
  - Gravitas



# International Standard Elements:



**Created and Vetted by Industry Experts**

**Consensus Based**

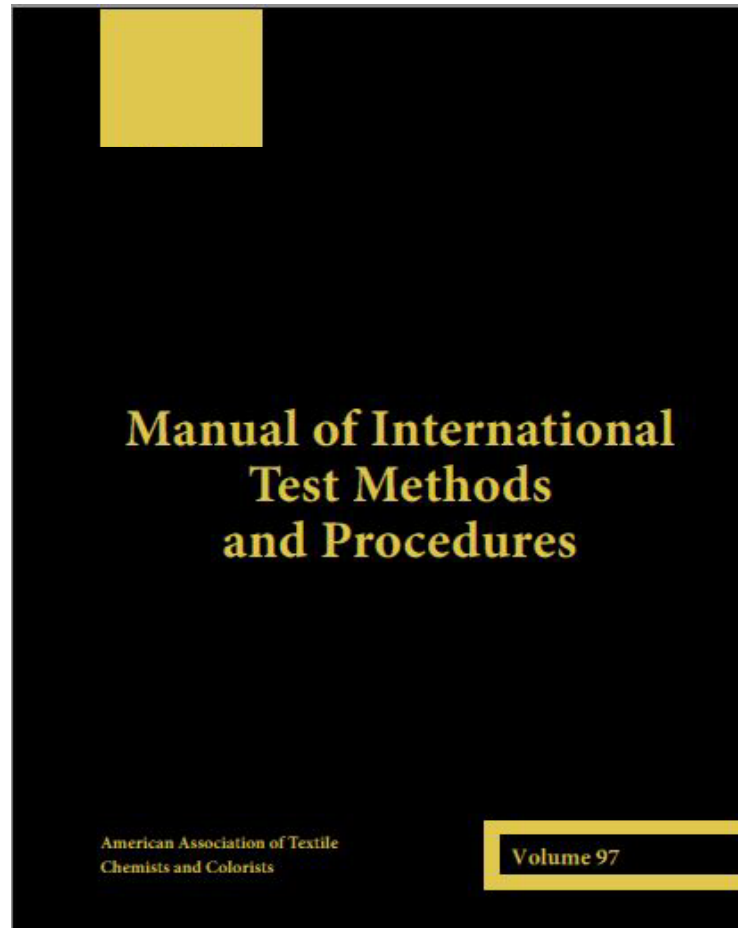
**WTO Compliant**

**Statistically Validated**

# Ready to Level up Your Standards Game!



# Putting You In the know ...





# Stinky Textiles? There's a standard for that...

## **AATCC TM211: Reduction of Bacterial Odor on Antibacterial Treated Textiles**

- Measures the reduction of odor based on ammonia detection
- Outcome is % Reduction
- Provides a means for treatment comparison
- Can be part of comprehensive antimicrobial performance profile, which can include other methods such as
  - **AATCC 100 Assessment of Antibacterial Finishes**
  - **AATCC 147 Antibacterial Activity: Parallel Streak**



# Microfiber Release? There's a standard for that...

## AATCC TM212 Fiber Fragment Release During Home Laundering

- Clarifies the term Microfiber and redefines it as *Fiber Fragments*
- Provides a procedure for measuring the mass of fiber fragments released during laundering.
- Performed in an accelerated laundering device
- Can be used to establish a baseline for the impact of fiber fragment release



# Condensation and Microclimates on Textiles? There's a standard for that...

## AATCC TM214: Measuring Condensation on Textiles in a Humid Microclimate

- Measures the amount of water condensation accumulated on surface of fabric in humid microclimate
- Outcome is *Accumulated Condensation* in  $\text{g/m}^2$
- Provides a measure of the fabric's contribution to end-product condensation accumulation
- Can be part of comprehensive repellency or moisture management profile including
  - **TM35 Water Resistance: Rain**
  - **TM42 Impact Penetration**
  - **TM197/TM213 Vertical Wicking**



# Will That Leave a Stain? There's a standard for that...

## AATCC TM215: Soil Release: Household Soils

- Provides a procedure to measure a fabric's ability to release household soils after laundering.
- The outcome is the mean staining grade for each type of soil applied.
- Provides a means to measure fabric or finish performance to typical stains likely to occur during use.
- Can be part of an overall staining and soiling protocol including
  - **TM118 (Oil Repellency: Hydrocarbon Resistance)** or
  - **TM130(Oily Stain Release)** or
  - **TM193 (Water/Alcohol Solution Resistance)**



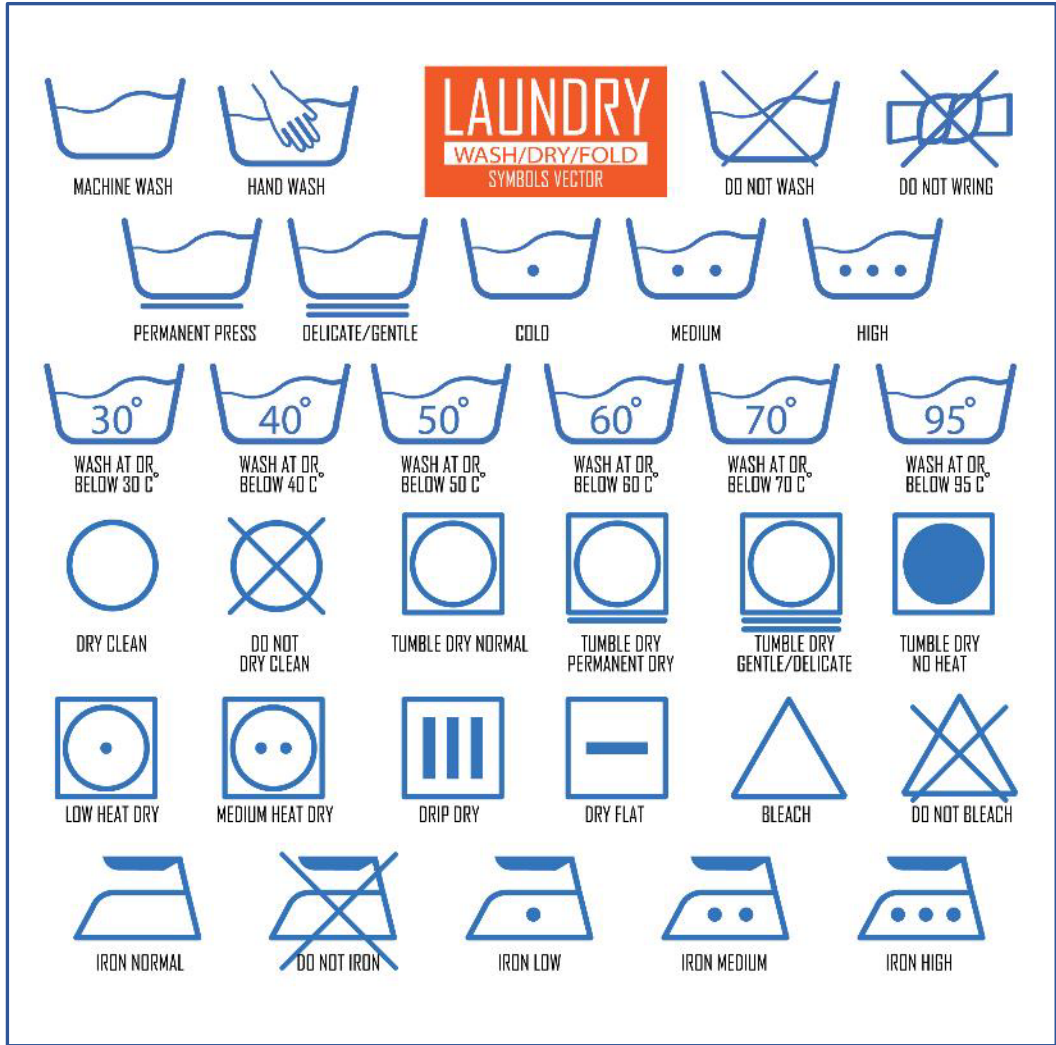


# Need Synthetic Soil? There's a standard for that...

## AATCC LP4: Laboratory Procedure for Synthetic Soil

- Provides the formula for making dirt for lab use
- Developed for carpet sector but applicable to any
- Can be used in conjunction with soiling protocols

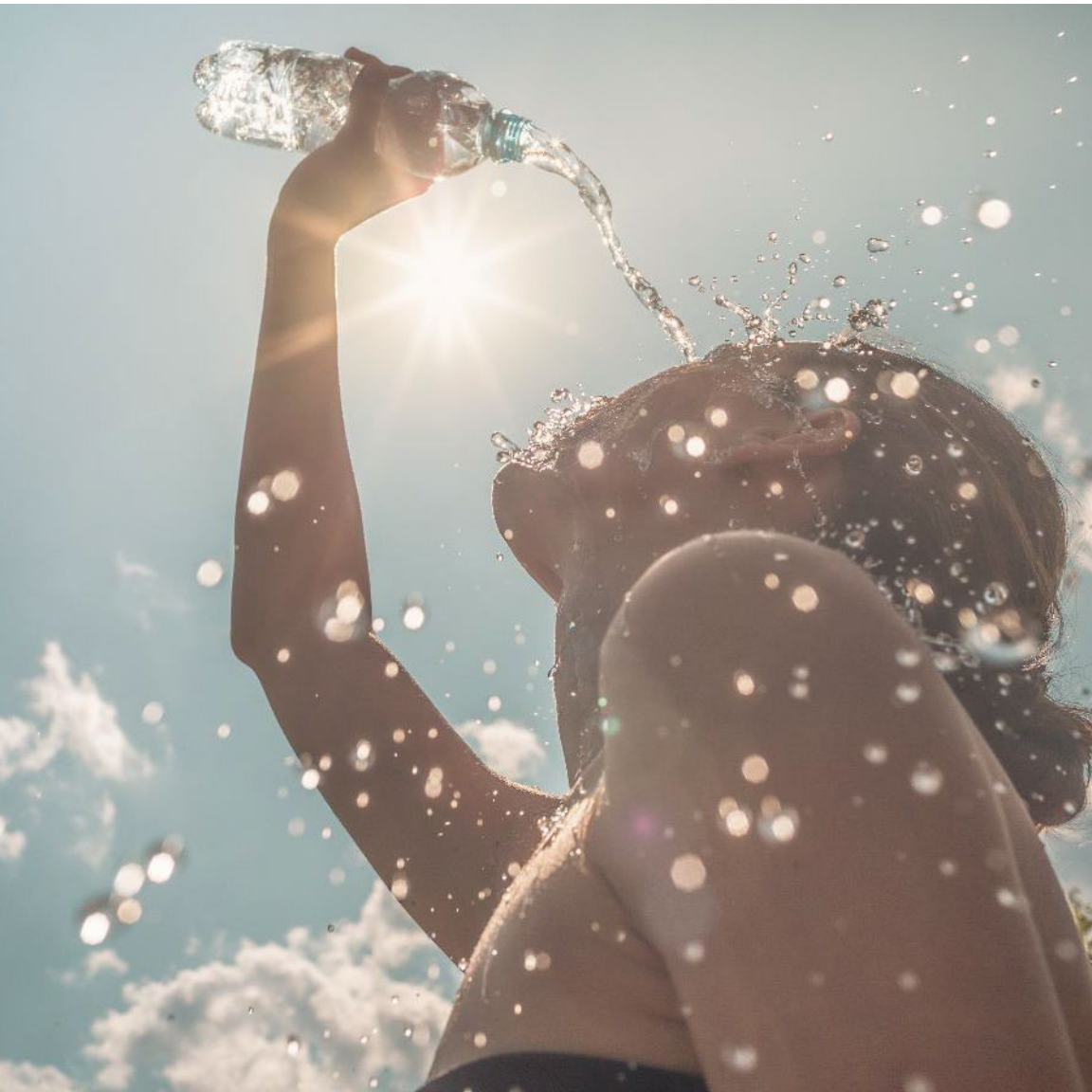




# Which Bleach? There's a standard for that...

## AATCC LP5: Laboratory Procedure for Home Laundering with Bleach

- Provides a procedure for home laundering to chlorine and non-chlorine bleach
- Textiles can be tested for compatibility to either type of bleach but not combined in single test
- Provides a means confirm bleach care instructions
- Used in conjunction with various color change evaluations or dimensional stability testing.



## Cooling Effects? There's a standard for that...

### **ASTM F3628: Measuring the Cooling Energy Provided by Wicking Liquid Moisture and Evaporating it from Clothing Materials Using a Sweating Hot Plate**

- Provides a procedure for measuring the cooling energy during simulated sweating and drying phases.
- Provides a means confirm drying time and fabrics efficiency in assisting with evaporation.
- Can be part of comprehensive moisture management or thermal regulation profile.



## PFAS in Consumer Products? There's a standard for that Coming Soon

**ASTM F15.81** *PFAS in Consumer Product* has a new standard in the works. Stay tuned-



# Certificate

## OEKO-TEX® ECO PASSPORT

AATCC American Association of Textile Chemists And Colorists

is granted the OEKO-TEX® ECO PASSPORT certification and the right to use the trademark.

TYPE  
ECO PASSPORT

PRODUCTS  
See attached enclosure

PRODUCT CATEGORY  
3.5 Technical auxiliaries for multipurpose use



This certificate 21.0.93288 is valid until 30.06.2024.

SUPPORTING DOCUMENTS

- ✓ Test Report Number: 23.0.64611
- ✓ Declaration of conformity in accordance with EN ISO 17050-1 as required by OEKO-TEX®
- ✓ RSL Screening Report
- ✓ Detailed information about the components and safety data sheets of the certified chemical products

*[Signature]*  
Dipl.-Ing.(FH) Ingrid Schürmann  
Head of Certification Body OEKO-TEX®

Bönnigheim, 2023-06-07

The above specified products can be used for the production of human ecological optimized textiles & leather.  
The combined results of the reports mentioned above reveal that there is no harmful effect on the human and environmental health of the textiles & leather involved/finished with the certified products.

ZDHC MRSL 3.1 Conformance Level 1 is achieved for certified products unless indicated otherwise.  
For further compliance information (REACH, SVHC, POP etc.) can be found on [www.oeko-tex.com/en/rsl](http://www.oeko-tex.com/en/rsl).  
This certificate is based on the test methods and requirements of the OEKO-TEX® ECO PASSPORT that were in force at the time of evaluation.

# Sustainability & Circularity Journey...AATCC is your Textile Ally

Organic Standards	Fair Conditions Certification	Chemical Control	Overall Standards
GOTS	RDS	ZDHC	CRADLE TO CRADLE
OCS	FLOCERT	OEKO TEX	FAIR TRADE
RWS	FWF	BLUESIGN	RCS
GREEN SEAL	SA8000	RESPONSIBLE CARE	LEED
ISO	SFA	REACH	

Source: Textile Exchange.com



# Sustainability & Circularity Journey...AATCC is your Textile Ally



# Need Testing Support: AATCC has solutions for that...

- QC and Lab Testing Materials
- Resource Guide:
  - **AATCC Buyers Guide**
  - [www.aatcc.org/bg](http://www.aatcc.org/bg)
- Test Method Training
  - AATCC Methods
  - ASTM Methods
  - ISO Methods

Stay  
Connected



**Join AATCC To Create  
Tomorrow's Standards  
Today.**

**AATCC Research Committee  
meeting: November 7-9, 2023**

**Textile Testing Workshop : Dec 6-7,  
2023**

**Haptics Digital Lab: Dec 13-14, 2023**





**AATCC Transparency:**  
**<https://www.aatcc.org/standards/#updates>**



**Standards Tracker: @ASTM.org**

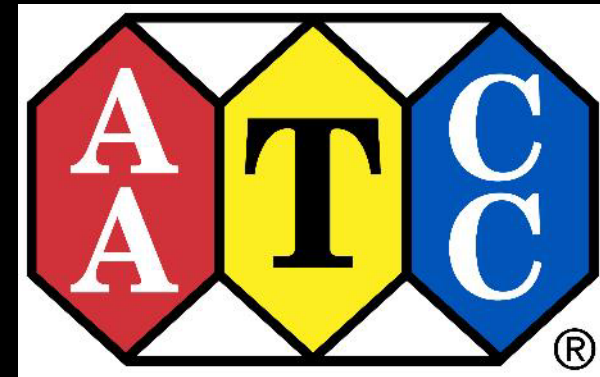


**ISO-<https://www.iso.org/iso-update.html>**



# Questions?

See me at Booth:#E142  
Erika Simmons



*See you next year!*

Advanced Textiles

**EXPO**

ORGANIZED BY ATA

**Sept. 24–26, 2024 | Anaheim, CA USA**

