QUALITY EXCELLENCE SERVICES

Quality Excellence Services
18 Maple Avenue, Ste. 148
Barrington, RI 02806
United States of America
+1 (401) 246-3204 · +1 (401) 252-9653
mweeden@qesisbest.com · https://QESisBest.com

STANDARDS & GUIDANCE BRIEF · INTERNATIONAL · INTERNATIONAL TEST METHODS

ISO 105 Series

Textiles — Tests for colour fastness (multi-part series)

DOCUMENT	QES-WP-149, Rev B	DATE	November 7, 2026
ISSUED BY	International Organization for Standardization (ISO/TC 38)	PREPARED BY	Conner Davidson
EDITION	Parts revised separately; cite the part and year	STATUS CHECKED	October 24, 2026
INDUSTRIES	Textiles & Materials	ONLINE	qesisbest.com/standard-iso-105.html

CURRENT EDITION The international counterpart to the AATCC methods, and rarely numerically identical to them.

What It Covers

Color fastness tests grouped by lettered parts: A (general principles and gray scales), B (light and weathering), C (washing), E (water and perspiration), X (rubbing and other) and J (instrumental color measurement).

Who It Applies To

Mills, brands, and laboratories working to European and international buyer specifications.

Key Requirements

- ISO 105-A02 and A03 gray scales for change in color and staining.
- ISO 105-B02 light fastness with a xenon arc lamp.
- ISO 105-C06 domestic and commercial laundering; ISO 105-E04 perspiration; ISO 105-X12 rubbing.
- A written equivalence analysis before substituting an ISO method for an AATCC one.

What an Auditor Asks to See

- Which method each buyer specifies, and the evidence of equivalence when a different one was used.

Where Systems Fall Short

- Treating ISO and AATCC ratings as interchangeable.

How QES helps. Method maps that show where ISO and AATCC results can and cannot be compared. See the gap assessment: qesisbest.com/services.html#gap-assessment · +1 (401) 246-3204 · mweeden@qesisbest.com

Sources, checked October 24, 2026. ISO — ISO 105 series search — www.iso.org/search.html?q=ISO%20105.

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