

REPORT No 11948

Date of issue: July 27, 2026

Status: FINAL REPORT

AATCC TM8

**DETERMINATION OF THE AMOUNT OF COLOR
TRANSFERRED FROM THE SURFACE OF COLORED
TEXTILE MATERIALS TO OTHER SURFACES BY RUBBING**

Program: SQ-1119.V12

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1. FOREWORD

This report summarizes the results of the **SQ-1119.V12** proficiency testing program on the determination of the amount of color transferred from the surface of colored textile materials to other surfaces by rubbing. This program is conducted in a bilateral format, following the “split-sample” design described in clause A.4.2 of ISO/IEC 17043: 2023 (Alternative interlaboratory comparisons).

South Quality conducted the testing program in June 2026 with the aim of assessing the laboratory's ability to competently perform the designated tests.

2. ORGANIZATION

Program Coordinator:	Lic. Esther Casas
Assistant Technician:	Berenice Ferrel
Statistics:	Lic. Manuel Tozaki
Supervision:	Eng. Emiliano Medina

3. OBJECTIVE

The objective of this proficiency testing program is to determine the amount of color transferred of fabrics by rubbing using the following standard:

Standard
AATCC TM8 - 2016e (2022)e

To verify this, batches of fabric samples have been selected.

Participants in this program have not been previously informed about the expected values or value ranges of the samples they receive.

4. PARTICIPANT

Company:	INTERTEK TESTING SERVICES DE MEXICO
Laboratory:	SOFTLINES LEÓN
Country:	Mexico
Client ID:	C100
Contact person:	Ing. Octavio Muñoz Jiménez Coordinador de Laboratorio Pruebas Físicas octavio.muniz@intertek.com

5. HOMOGENEITY

Several batches were prepared identically by the staff at South Quality.

Subsequently, a homogeneity study was conducted with an ISO 17025 accredited laboratory.

The control process followed ISO 33405: 2024, clauses 7.4.1.1 / 7.4.1.2. Stratified random sampling was applied, and samples were selected using random number generation software.

The results of this test are presented below:

Size of each batch: **150 units**

Tested samples from each batch: **30 units**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES		
	BATCH: LT3183	BATCH: LT3184	BATCH: LT3185
AMOUNT OF COLOR TRANSFERRED	YES	YES	YES

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES		
	BATCH: LT3209	BATCH: LT3210	BATCH: LT3211
AMOUNT OF COLOR TRANSFERRED	YES	YES	NO

Samples for this program are taken from the selected batches identified as **LT3185** and **LT3209**.

For the indicated batches, the values determined in the homogeneity study are utilized as the assigned values.

The analysis of the test data indicated that the selected samples exhibited sufficient homogeneity for the program. Therefore, the results of participants identified as outliers cannot be attributed to sample variability.

6. SAMPLE INFORMATION

The following samples were sent for testing:

Batch:	LT3185
Sample ID:	09
Characteristics:	Denim fabric - 15 x 5 cm - 6 units

Batch:	LT3209
Sample ID:	13
Characteristics:	Denim fabric - 15 x 5 cm - 6 units

7. IMAGES

SAMPLES



8. ASSIGNED VALUES

BATCH	AMOUNT OF COLOR TRANSFERRED - DRY CONDITIONS -		AMOUNT OF COLOR TRANSFERRED - WET CONDITIONS -	
	EG	SD	EG	SD
LT3185	3.5	0.19	0.9	0.09
LT3209	4.1	0.25	1.6	0.11

9. PARTICIPANT RESULTS (SEE APPENDIX B)

CODE	AMOUNT OF COLOR TRANSFERRED - DRY CONDITIONS -	AMOUNT OF COLOR TRANSFERRED - WET CONDITIONS -
LT3185-09	3.7	1.0
LT3209-13	4.3	1.5

10. STATISTICS

The results must be treated as quantitative.

According to B.4.1.3 of ISO 17043 the appropriate technique is to compare participant results with the assigned values. The results can be compared using **z score**.

$$z = \frac{x - X}{\hat{\sigma}}$$

x is the participant's result

X is the assigned value

$\hat{\sigma}$ is the standard deviation

The performance evaluation of each sample is carried out with the following criteria:

$|z| \leq 2.0$ indicates “satisfactory” performance and generates no signal;

$2.0 < |z| < 3.0$ indicates “questionable” performance and generates a warning signal;

$|z| \geq 3.0$ indicates “unsatisfactory” performance and generates an action signal;

11. EVALUATION OF PERFORMANCE

BATCH	CONDITIONS	AMOUNT OF COLOR TRANSFERRED		z score	PERFORMANCE RESULT
		PARTICIPANT RESULT	ASSIGNED VALUE		
LT3185	DRY	3.7	3.5	1.1	SATISFACTORY
	WET	1.0	0.9	1.1	SATISFACTORY
LT3209	DRY	4.3	4.1	0.8	SATISFACTORY
	WET	1.5	1.6	0.9	SATISFACTORY

12. CONCLUSIONS

The overall performance of this **SQ-1119.V12** program from the participant laboratory **INTERTEK TESTING SERVICES DE MEXICO - SOFTLINES LEÓN**, is **SUFFICIENT** based on expected results.

The criteria used for evaluating the overall performance are as follows:

- **SUFFICIENT** performance: No unsatisfactory/questionable results were obtained.
- **ALMOST SUFFICIENT** performance: No unsatisfactory results were obtained, but one questionable result was found.
- **INSUFFICIENT** performance: An unsatisfactory result or two questionable results were obtained.

APPENDIX A

INSTRUCTIONS



INSTRUCTIONS

PROGRAM:	AATCC TEST METHODS
CODE:	SQ-1119
VERSION:	12
STANDARD:	AATCC TM8
COORDINATOR:	Lic. Esther Casas (ecasas@ptsouthquality.com)

1 - General

This document serves as a guide for managing the results of the **SQ-1119.V12** program.

2 - Standard

AATCC TM8 - 2016e (2022)e

3 - Tests involved

TEST
Determination of the amount of color transferred from the surface of colored textile materials to other surfaces by rubbing

4 - Samples

CODE	SAMPLE	QUANTITY
LT3185-09	Denim fabric - 15 x 5 cm	6
LT3209-13	Denim fabric - 15 x 5 cm	6

5 - Notes

- Being a bilateral program, there is no deadline for submitting results.
- The participant must submit the results using the usual report employed by their laboratory.
- The samples are to be handled as routine lab samples, with all testing, documentation, and reporting adhering to **AATCC TM8**.
- Results shall be rated using the **AATCC EP2 Gray Scale**.
- Samples must be retained until the end of the program, which concludes with the submission of the final report.
- To review the results, test images would be appreciated. Images can be attached at the end of this document or sent by email.

6 - Test conditions

CONDITION	SAMPLES
DRY	3 units
WET	3 units

PHOTOGRAPHS

DSQ-012 - REV 06 -

SQ-1119.V12

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APPENDIX B

PARTICIPANT RESULTS (TR #GTOT26000872)



TEST REPORT / INFORME DE RESULTADOS

REPORT NUMBER / NUMERO DE REPORTE : GTOT26000872

Date In / Fecha de Ingreso :	2026/06/09
Date Out / Fecha de Salida :	2026/06/16
Performance Test Date / Periodo de Ejecución de Ensayo(s) :	2026/06/09-2026/06/16

Company Data / Datos de la Compañía	INTERTEK TESTING SERVICES DE MÉXICO S.A DE C.V (León Guanajuato)	OVERALL RATING / CALIFICACIÓN GENERAL
Address / Dirección	Pirul del Valle 113, Col. Valle de León, León, Guanajuato, 37140, México	PASS / PASA
Attention / Atención	Octavio Muñiz Jimenez, Jaqueline Jimenez	FAIL / FALLA
		DATA / DATO

Sample Description / Descripción De La Muestra :	Denim fabric - 15 x 5 cm, Denim fabric -15 x 5 cm	Test Type / Tipo de Prueba :	First Test / Primera Prueba
Style / Estilo :	(LT3185-09), (LT3209-13)	Age Range / Rango de Edad :	Adult / Adulto
Colour / Color :	Denim oscuro 09, Denim Claro 13	Component / Componente :	(A)(LT3185-09), (B) (LT3209-13)
Manufacturer / Fabricante :	SOUTH QUALITY	Country Of Distribution / Pais de Distribucion :	Mexico/ México
Country of Origin / País de Origen :	Argentina/ Argentina		

AUTHORIZED BY :



EFRAIN SANTIAGO GONZALEZ
AUTHORIZED SIGNATORY

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 Pirul del Valle 113, Col. Valle de León, C.P. 37140, León Guanajuato.
 Tel. 01 (477) 774 6938, 01 (477) 774 1026

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TEST REPORT / INFORME DE RESULTADOS
REPORT NUMBER / NUMERO DE REPORTE : GTOT26000872
CONCLUSION / CONCLUSIÓN:

TEST NAME / NOMBRE DE LA PRUEBA	SAMPLE / MUESTRA	RATING / RESULTADO	COMMENT / COMENTARIO
Colorfastness to Crocking (AATCC 8)	A,B	D	

REMARK / NOTA:

P = Pass/Pasa F = Fail/Falla D = Data/Dato NA = Not Applicable/No Aplica * = See Remark / Ver nota

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TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. Colorfastness to Crocking (AATCC 8)
Dry/Seco

	(A)	(B)	<u>Requirement / Requerimiento</u>
Color Transfer / Transferencia de Color (EG)	3.7	4.3	-

Wet/Húmedo

	(A)	(B)	<u>Requirement / Requerimiento</u>
Color Transfer / Transferencia de Color (EG)	1.0	1.5	-

Notes/Notas:

Performance Test Date/Fecha de Ejecución del Ensayo: 2026/06/13

Test not accredited/Prueba no acreditada

Temperature/Temperatura : 20.6 °C

Humidity/Humedad : 64.1 %HR

A : (LT3185-09)

B : (LT3209-13)

Preparation/Preparación (A)


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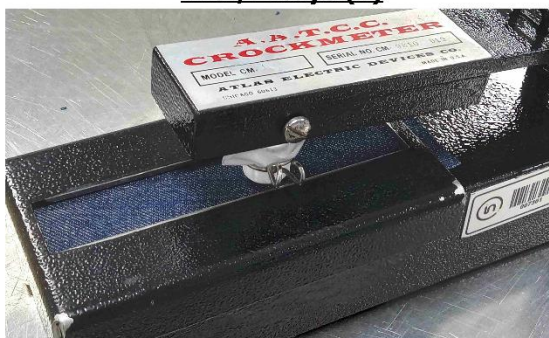
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Preparation/Preparación (B)



Trial/Ensayo (A)



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Trial/Ensayo (B)



Guard/Resguardo (A)



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Guard/Resguardo (B)



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Sample Received /Muestra Recibida

END OF THE TEST REPORT

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