SOUTH QUALITY

PROFICIENCY TESTING PROVIDER

REPORT No 12100

Date of issue: *October 13, 2026*

Status: FINAL REPORT

****

ISO 105-C06

TESTS FOR COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING

Program: SQ-1025.V3

****

This document is issued by the Company subject to its Terms and Conditions, available on request or accessible at https://www.ptsouthquality.com/terms-and-conditions. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

Copyright © 2026 South Quality, Buenos Aires, ARGENTINA

Prepared by:	Reviewed by:	Approved by:
cn=BERENICE C. FERREL, o=PT SOUTH QUALITY SAS, ou=SOUTH QUALITY, email=tech@ptsouthquality.com, c=AR 2026.10.13 11:04:19 -03'00'	cn=ESTHER CASAS, o=PT SOUTH QUALITY SAS, ou=SOUTH QUALITY, email=ecasas@ptsouthquality.com, c=AR 2026.10.13 15:34:23 -03'00'	cn=Emiliano Medina, o=SOUTH QUALITY, ou=PT SOUTH QUALITY SAS, email=quality@ptsouthquality.com, c=ES 2026.10.14 09:28:20 -03'00'
Berenice Ferrel Assistant Technician	**Lic. Esther Casas** Physics expert	**Eng. Emiliano Medina** Quality Assurance Lead

TABLE OF CONTENTS

1. **FOREWORD** 3

2. **ORGANIZATION** 3

3. **OBJECTIVE** 3

4. **PARTICIPANT** 3

5. **HOMOGENEITY** 4

6. **SAMPLE INFORMATION** 5

7. **IMAGES** 5

8. **ASSIGNED VALUES** 6

9. **PARTICIPANT RESULTS** 7

10. **STATISTICS** 7

11. **EVALUATION OF PERFORMANCE** 8

12. **CONCLUSIONS** 9

APPENDICES

APPENDIX A - INSTRUCTIONS 10

APPENDIX B - PARTICIPANT RESULTS (TR # MEXT26007865) 13

1. FOREWORD

This report summarizes the results of the **SQ-1025.V3** proficiency testing program on the determination of the resistance of the colour of textiles to domestic or commercial laundering procedures. 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 September 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 resistance of the colour of textiles to domestic or commercial laundering procedures, in accordance with the following standard:

Standard
ISO 105-C06: 2010

To verify this, batches of fabrics samples were 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 México**
Laboratory:	**Intertek Testing Services de México**
Country:	Mexico
Client ID:	C100
Contact person:	Jacquelin Jiménez Quality Coordinator jacquelin.jimenez@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: **100 units** Tested samples from each batch: **20 units**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES - TEST CONDITIONS: A2S -		
	BATCH: LT2680	BATCH: LT2681	BATCH: LT2682
Color change	YES	NO	YES
Color staining	YES	NO	YES

Size of each batch: **100 units** Tested samples from each batch: **20 units**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES - TEST CONDITIONS: C2S -		
	BATCH: LT3528	BATCH: LT3529	BATCH: LT3530
Color change	YES	YES	NO
Color staining	YES	YES	YES

Samples for this program are taken from the selected batches identified as **LT2680** and **LT3529**.

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:	LT2680
Sample ID:	10
Characteristics:	Black cotton fabric - 100 x 40 mm - 5 units

Batch:	LT3529
Sample ID:	04
Characteristics:	Black polyester fabric - 100 x 40 mm - 5 units

7. IMAGES

SAMPLES





SAMPLES





8. ASSIGNED VALUES

BATCH	COLOR CHANGE	COLOR STAINING					
		ACETATE	COTTON	NYLON	POLYESTER	ACRYLIC	WOOL
LT2680	4-5	5	4	4-5	5	4-5	4

BATCH	COLOR CHANGE	COLOR STAINING					
		TRIACETATE	COTTON	NYLON	POLYESTER	ACRYLIC	VISCOSE
LT3529	4-5	4	4	3	3-4	5	4-5

9. PARTICIPANT RESULTS (SEE APPENDIX B)

CODE	COLOR CHANGE	COLOR STAINING					
		ACETATE	COTTON	NYLON	POLYESTER	ACRYLIC	WOOL
LT2680-10	4-5	4-5	3-4	4-5	4-5	4-5	4-5

CODE	COLOR CHANGE	COLOR STAINING					
		TRIACETATE	COTTON	NYLON	POLYESTER	ACRYLIC	VISCOSE
LT3529-04	4-5	3-4	4-5	2-3	3-4	4-5	4-5

10. STATISTICS

The results must be treated as quantitative.

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

$$D = (x - X)$$

x is the participant's result

X is the assigned value

The performance evaluation is carried out with the following criteria:

$|D| < 1$ indicates "satisfactory" performance and generates no signal;

$|D| = 1$ indicates "questionable" performance and generates a warning signal;

$|D| > 1$ indicates "unsatisfactory" performance and generates an action signal;

11. EVALUATION OF PERFORMANCE

BATCH: LT2680					
DETERMINATION		COLOUR FASTNESS		| D |	PERFORMANCE RESULT
		PARTICIPANT RESULT	ASSIGNED VALUE		
COLOR CHANGE		4-5	4-5	0	SATISFACTORY
COLOR STAINING	ACETATE	4-5	5	0.5	SATISFACTORY
	COTTON	3-4	4	0.5	SATISFACTORY
	NYLON	4-5	4-5	0	SATISFACTORY
	POLYESTER	4-5	5	0.5	SATISFACTORY
	ACRYLIC	4-5	4-5	0	SATISFACTORY
	WOOL	4-5	4	0.5	SATISFACTORY

BATCH: LT3529					
DETERMINATION		COLOUR FASTNESS		| D |	PERFORMANCE RESULT
		PARTICIPANT RESULT	ASSIGNED VALUE		
COLOR CHANGE		4-5	4-5	0	SATISFACTORY
COLOR STAINING	TRIACETATE	3-4	4	0.5	SATISFACTORY
	COTTON	4-5	4	0.5	SATISFACTORY
	NYLON	2-3	3	0.5	SATISFACTORY
	POLYESTER	3-4	3-4	0	SATISFACTORY
	ACRYLIC	4-5	5	0.5	SATISFACTORY
	VISCOSE	4-5	4-5	0	SATISFACTORY

12. CONCLUSIONS

The overall performance on this **SQ-1025.V3** program from the participant laboratory **Intertek Testing Services de México** 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:	Tests for colour fastness Colour fastness to domestic and commercial laundering
CODE:	SQ-1025
VERSION:	3
STANDARD:	ISO 105-C06
COORDINATOR:	Lic. Esther Casas (ecasas@ptsouthquality.com)

1 - **General**

This document serves as a guide for managing the results of the **SQ-1025.V3** program.

2 - **Standard**

ISO 105-C06: 2010

3 - **Tests involved**

TEST
Determination of the resistance of the colour of textiles of all kinds and in all forms to domestic or commercial laundering procedures

4 - **Samples**

CODE	SAMPLE	QUANTITY
LT2680-10	Black cotton fabric - 100 x 40 mm	5
LT3529-04	Black polyester fabric - 100 x 40 mm	5

5 - **Notes**

a) Being a bilateral program, there is no deadline for submitting results.
b) The participant must submit the results using the usual report employed by their laboratory.
c) The samples are to be handled as routine lab samples, with all testing, documentation, and reporting adhering to **ISO 105-C06**.
d) Samples must be retained until the end of the program, which concludes with the submission of the final report.
e) 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**

CODE	TEST NUMBER
LT2680-10	A2S
LT3529-04	C2S

PHOTOGRAPHS

APPENDIX B

PARTICIPANT RESULTS (TR # MEXT26007865)

intertek
Total Quality. Assured.

Report Number : MEXT26007865

Sample as received



Intertek Testing Services de México, S.A. de C.V.
Poniente 134 No. 660, Col. Industrial Vallejo, Del. Azcapotzalco, C.P. 2300, Ciudad de México
Tel. +52 (55) 5063 7190, Tel. +52 (55) 5998 0900

intertek
Total Quality. Assured.

TEST REPORT

NUMBER : MEXT26007865
DATE : 09-Sep-2026

APPLICANT : **Intertek Testing Services de Mexico, S.A. de C.V.**
Poniente 134 No. 660, Col. Industrial Vallejo, Del.
Azcapotzalco, D.F., 02300, México

Sample Description	:	A) Black cotton fabric - 100 x 40 mm B) Black polyester fabric - 100 x 40 mm
Fiber Content	:	Not submitted
Color	:	(A)Black cotton fabric, (B)Black polyester fabric
Style No.	:	LT2680-10 LT3529-04
Order No./PO No.	:	-
Buyer Name	:	SELF REFERENCE
Other Information	:	SQ-1025 version 3
Sample Received Date	:	03 Sep 2026
Final Confirmation Received Date	:	-

TEST CONDUCTED : AS PER THE REQUEST OF THE APPLICANT. FOR FURTHER DETAILS PLEASE REFER TO ENCLOSED PAGE(S)

AUTHORIZED BY
FOR Intertek Testing Services de México, S.A. de C.V. [MX CG DF SOFTLINES]

OSCAR PUEBLITA ORTEGA
SUBGERENTE LABORATORIO

This report is liable with Term and Conditions of Intertek Testing Services de Mexico, S.A. de C.V. included in the invoice issued for the correspondent service.

Intertek Testing Services de México, S.A. de C.V.
Poniente 134 No. 660, Col. Industrial Vallejo, Del. Azcapotzalco, C.P. 2300, Ciudad de México
Tel. +52 (55) 5063 7190, Tel. +52 (55) 5998 0900

intertek
Total Quality. Assured.

TEST REPORT

NUMBER : MEXT26007865
DATE : 09-Sep-2026

CONCLUSION :

	(A)	(B)
Color fastness to washing	*	*

Note: P = Pass F = Fail
* = Requirement Not Provided NA = Not Applicable # = See Test

This report is liable with Term and Conditions of Intertek Testing Services de Mexico, S.A. de C.V. included in the invoice issued for the correspondent service.

Intertek Testing Services de México, S.A. de C.V.
Poniente 134 No. 660, Col. Industrial Vallejo, Del. Azcapotzalco, C.P. 2300, Ciudad de México
Tel. +52 (55) 5063 7190, Tel. +52 (55) 5998 0900

intertek
Total Quality. Assured.

TEST REPORT

NUMBER : MEXT26007865
DATE : 09-Sep-2026

TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. Color fastness to washing

ISO 105 C06 .

A)
Test conditions: A2S
Type of multifibre used: DW
Number of steel balls: 10
Detergent type: WOB
Drying method: Air drying 40°C
Test date: 2026/09/09

.

B)
Test conditions: C2S
Type of multifibre used: TV
Number of steel balls: 25
Detergent type: ECE Detergent with phosphates
Drying method: Air drying 60°C
Test date: 2026/09/09

Multifiber DW

		(A) 1	(A) 2	(A) 3	(A) 4	Requeriment
Color Change		4-5	4-5	4-5	4-5	-
Color staining	Acetate	4-5	4-5	4-5	4-5	-
	Cotton	3-4	3-4	3-4	3-4	-
	Nylon	4-5	4-5	4-5	4-5	-
	Polyester	4-5	4-5	4-5	4-5	-
	Acrylic	4-5	4-5	4-5	4-5	-
	Wool	4-5	4-5	4-5	4-5	-

Multifiber TV

		(B) 1	(B) 2	(B) 3	(B) 4	Requeriment
Color Change		4-5	4-5	4-5	4-5	-
Color staining	Triacetate	3-4	3-4	3-4	3-4	-
	Cotton	4-5	4-5	4-5	4-5	-
	Nylon	2-3	2-3	2-3	2-3	-
	Polyester	3-4	3-4	3-4	3-4	-
	Acrylic	4-5	4-5	4-5	4-5	-
	Viscose	4-5	4-5	4-5	4-5	-

This report is liable with Term and Conditions of Intertek Testing Services de Mexico, S.A. de C.V. included in the invoice issued for the correspondent service.

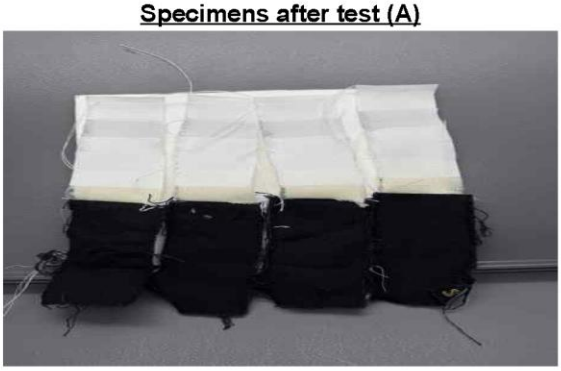
Intertek Testing Services de México, S.A. de C.V.
Poniente 134 No. 660, Col. Industrial Vallejo, Del. Azcapotzalco, C.P. 2300, Ciudad de México
Tel. +52 (55) 5063 7190, Tel. +52 (55) 5998 0900

intertek
Total Quality. Assured.

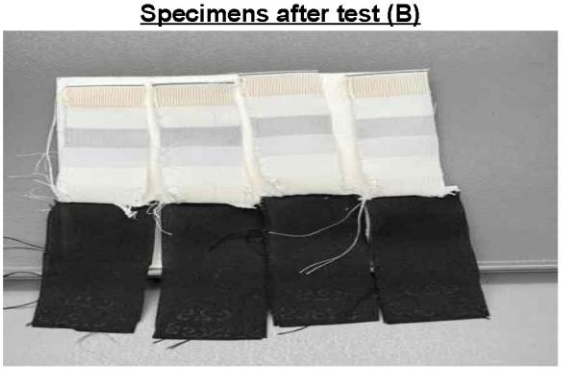
TEST REPORT

NUMBER : MEXT26007865
DATE : 09-Sep-2026

Specimens after test (A)



Specimens after test (B)



END OF THE TEST REPORT

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Addressee in respect of this report and only accepts liability to the Addressee insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute.

Este informe es realizado exclusivamente en base a sus instrucciones, información y materiales suministrados. Su finalidad no es para una recomendación para cualquier acción particular.Intertek no acepta responsabilidad para alguna persona distinta al cliente en relación de este informe y solo acepta la obligación con cliente en la medida que esta expresamente contenida en los términos y condiciones que rigen la prestación de los servicios de Intertek Intertek no ofrece ninguna garantía o representación expresa o implícita con respecto a este informe, tal como se establece en los términos y condiciones.Tenemos el objetivo de conducir el análisis en forma minuciosa y cuidadosa y no aceptamos ninguna responsabilidad por cualquier perdida que surja de o en conexión con este informe, malversación, por la ley o de otro modo, excepto en el caso expreso de negligencia grave o conducta dolosa por nuestra parte.
http://www.intertek.com/terms.

This report is liable with Term and Conditions of Intertek Testing Services de Mexico, S.A. de C.V. included in the invoice issued for the correspondent service.

Intertek Testing Services de México, S.A. de C.V.
Poniente 134 No. 660, Col. Industrial Vallejo, Del. Azcapotzalco, C.P. 2300, Ciudad de México
Tel. +52 (55) 5063 7190, Tel. +52 (55) 5998 0900

----- END OF REPORT -----