SOUTH QUALITY

PROFICIENCY TESTING PROVIDER

REPORT No 12106

Date of issue: *October 13, 2026*

Status: FINAL REPORT

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ISO 4920

DETERMINATION OF RESISTANCE TO SURFACE WETTING (SPRAY TEST)

Program: SQ-1181.V2

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1. FOREWORD

This report summarizes the results of the **SQ-1181.V2** proficiency testing program on the determination of fabrics to surface wetting by water (spray rating scale). 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 fabrics to surface wetting by water (spray rating scale), in accordance with the following standard:

Standard
ISO 4920: 2012

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: **50 units** Tested samples from each batch: **10 units**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES		
	BATCH: LT3002	BATCH: LT3003	BATCH: LT3004
Spray rating	NO	YES	YES

Size of each batch: **50 units** Tested samples from each batch: **10 units**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES		
	BATCH: LT5237	BATCH: LT5238	BATCH: LT5239
Spray rating	YES	YES	YES

Samples for this program are taken from the selected batches identified as **LT3003** and **LT5239**.

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:

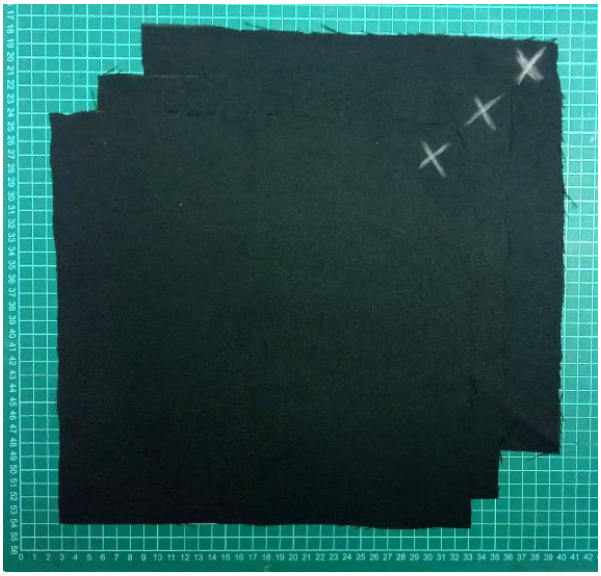
Batch:	LT3003
Sample ID:	07
Characteristics:	Denim fabric - 30 x 30 cm - 3 units

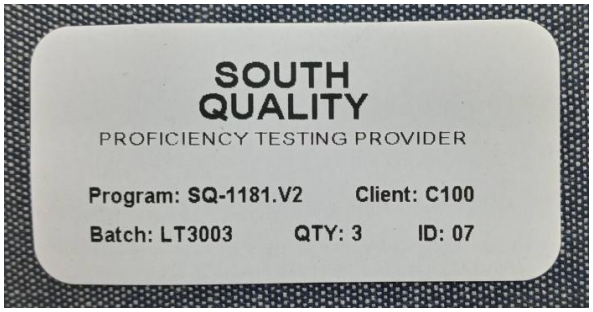
Batch:	LT5239
Sample ID:	05
Characteristics:	Black fabric - 30 x 30 cm - 3 units

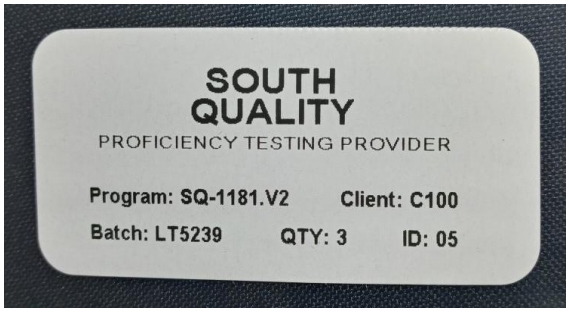
7. IMAGES

SAMPLES









8. ASSIGNED VALUES

BATCH	SPRAY RATING SCALE		
	Specimen 1	Specimen 2	Specimen 3
LT3003	1	1	1
LT5239	1	1	1

9. PARTICIPANT RESULTS (SEE APPENDIX B)

CODE	SPRAY RATING SCALE		
	Specimen 1	Specimen 2	Specimen 3
LT3003-07	1	1	1
LT5239-05	1	1	1

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:

$|D| = 0$ 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	SPECIMEN	SPRAY RATING SCALE - AVG		| D |	PERFORMANCE RESULT
		PARTICIPANT RESULT	ASSIGNED VALUE		
LT3003	1	1	1	0	SATISFACTORY
	2	1	1	0	SATISFACTORY
	3	1	1	0	SATISFACTORY
LT5239	1	1	1	0	SATISFACTORY
	2	1	1	0	SATISFACTORY
	3	1	1	0	SATISFACTORY

12. CONCLUSIONS

The overall performance on this **SQ-1181.V2** 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 results were obtained.
- **INSUFFICIENT** performance: An unsatisfactory result was obtained.

APPENDIX A

INSTRUCTIONS

SOUTH QUALITY
PROFICIENCY TESTING PROVIDER

INSTRUCTIONS

PROGRAM:	Determination of resistance to surface wetting (Spray test)
CODE:	SQ-1181
VERSION:	2
STANDARD:	ISO 4920
COORDINATOR:	Lic. Esther Casas (ecasas@ptsouthquality.com)

1 - **General**

This document serves as a guide for managing the results of the **SQ-1181.V2** program.

2 - **Standard**

ISO 4920: 2012

3 - **Tests involved**

TEST
Determination of fabrics to surface wetting by water (Spray rating scale)

4 - **Samples**

CODE	SAMPLE	QUANTITY
LT3003-07	Denim fabric - 30 x 30 cm	3
LT5239-05	Black fabric - 30 x 30 cm	3

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 4920.**
d) The samples are marked with a cross on one side. This is the side that should be subjected to the test.
e) Samples must be retained until the end of the program, which concludes with the submission of the final report.
f) To review the results, test images would be appreciated. Images can be attached at the end of this document or sent by email.

PHOTOGRAPHS

APPENDIX B

PARTICIPANT RESULTS (TR # MEXT26007871)

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Report Number : **MEXT26007871**

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
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TEST REPORT

NUMBER : MEXT26007871
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) Denim fabric - 30 x 30 cm B) Black fabric - 30 x 30 cm
Fiber Content	:	Not Submitted
Color	:	(A)Denim fabric, (B)Black fabric
Style No.	:	LT3003-07 LT5239-05
Order No./PO No.	:	-
Buyer Name	:	SELF REFERENCE
Other Information	:	SQ-1181 versión 2
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

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TEST REPORT

NUMBER : MEXT26007871
DATE : 09-Sep-2026

CONCLUSION :

	(A)	(B)
Textile fabrics — Determination of resistance to surface wetting (spray test)	*	*

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

NOTE :

Specimens were conditioned according to standard practice for conditioning and testing ISO 139 textiles (20 +/-2°C 65 +/-4% relative humidity) as appropriate.

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TEST REPORT

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TEST CONDUCTED (AS REQUESTED BY THE APPLICANT)

1. Textile fabrics — Determination of resistance to surface wetting (spray test)
ISO 4920 : 2012

(A)

	Spray Rating	Description	Requeriment
Specimen 1:	1	Complete wetting of the entire specimen face beyond the spray points	- - -
Specimen 2:	1	Complete wetting of the entire specimen face beyond the spray points	
Specimen 3:	1	Complete wetting of the entire specimen face beyond the spray points	

(B)

	Spray Rating	Description	Requeriment
Specimen 1:	1	Complete wetting of the entire specimen face beyond the spray points	- - -
Specimen 2:	1	Complete wetting of the entire specimen face beyond the spray points	
Specimen 3:	1	Complete wetting of the entire specimen face beyond the spray points	

Specimens after test (A)



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Specimen 1 after test (A)



Specimen 2 after test (A)



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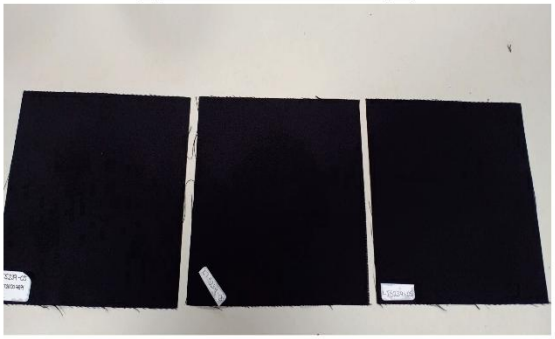
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Specimen 3 after test (A)



Specimens after test (B)



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TEST REPORT

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Specimen 1 after test (B)



Specimen 2 after test (B)



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NUMBER : MEXT26007871
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Specimen 3 after test (B)



END OF THE TEST REPORT

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