SOUTH QUALITY

PROFICIENCY TESTING PROVIDER

REPORT No 12104

Date of issue: *October 13, 2026*

Status: FINAL REPORT

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16 CFR 1610

FLAMMABILITY OF CLOTHING TEXTILES

Program: SQ-1164.V2

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TABLE OF CONTENTS

1. **FOREWORD** 3

2. **ORGANIZATION** 3

3. **OBJECTIVE** 3

4. **PARTICIPANT** 3

5. **HOMOGENEITY** 4

6. **SAMPLE INFORMATION** 4

7. **IMAGES** 5

8. **ASSIGNED VALUES** 6

9. **PARTICIPANT RESULTS** 6

10. **STATISTICS** 6

11. **EVALUATION OF PERFORMANCE** 6

12. **CONCLUSIONS** 7

APPENDICES

APPENDIX A - INSTRUCTIONS 8

APPENDIX B - PARTICIPANT RESULTS (TR # MEXT26007869) 11

1. FOREWORD

This report summarizes the results of the **SQ-1164.V2** proficiency testing program on the classification of textiles according to their flammability. 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 classification of textiles according to their flammability, in accordance with the following standard:

Standard
16 CFR 1610 - 2018

To verify this, batches of fabrics samples were selected.

Participants in this program have not been previously informed about the expected behavior 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: **40 units** Tested samples from each batch: **10 units**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES - RAISED SURFACE TEXTILE FABRIC -		
	BATCH: LT3122	BATCH: LT3123	BATCH: LT3124
Classification	YES	NO	YES

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

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES - PLAIN SURFACE TEXTILE FABRIC -		
	BATCH: LT4900	BATCH: LT4901	BATCH: LT4902
Classification	NO	YES	YES

Samples for this program are taken from the selected batches identified as **LT3124** and **LT4901**.

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:	LT3124
Sample ID:	04
Characteristics:	Brown children's sleep pants

Batch:	LT4901
Sample ID:	10
Characteristics:	White fabric - 150 x 100 cm

7. IMAGES

SAMPLES









8. ASSIGNED VALUES

BATCH	CLASSIFICATION (BEFORE REFURBISHING)
LT3124	Class 1
LT4901	Class 1

9. PARTICIPANT RESULTS (SEE APPENDIX B)

CODE	CLASSIFICATION (BEFORE REFURBISHING)
LT3124-04	Class 1
LT4901-10	Class 1

10. STATISTICS

The results must be treated as qualitative.

For qualitative results, the comparison will be made directly against the assigned values, so any difference will be evaluated as **Unsatisfactory.**

11. EVALUATION OF PERFORMANCE

BATCH	CLASSIFICATION (BEFORE REFURBISHING)		PERFORMANCE RESULT
	PARTICIPANT RESULT	ASSIGNED VALUE	
LT3124	Class 1	Class 1	SATISFACTORY
LT4901	Class 1	Class 1	SATISFACTORY

12. CONCLUSIONS

The overall performance on this **SQ-1164.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

INSTRUCTIONS

PROGRAM:	Flammability of clothing textiles
CODE:	SQ-1164
VERSION:	2
STANDARD:	16 CFR 1610
COORDINATOR:	Lic. Esther Casas (ecasas@ptsouthquality.com)

1 - General

This document serves as a guide for managing the results of the **SQ-1164.V2** program.

2 - Standard

16 CFR 1610 - 2018

3 - Tests involved

TEST
Classification of textiles according to their flammability

4 - Samples

CODE	SAMPLE	QUANTITY
LT3124-04	Brown children's sleep pants	1
LT4901-10	White fabric - 150 x 100 cm	1

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 surface of the samples to be exposed to the flame shall be the one marked with the ID.
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.

PHOTOGRAPHS

APPENDIX B

PARTICIPANT RESULTS (TR # MEXT26007869)

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Report Number : **MEXT26007869**

Sample as received A



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

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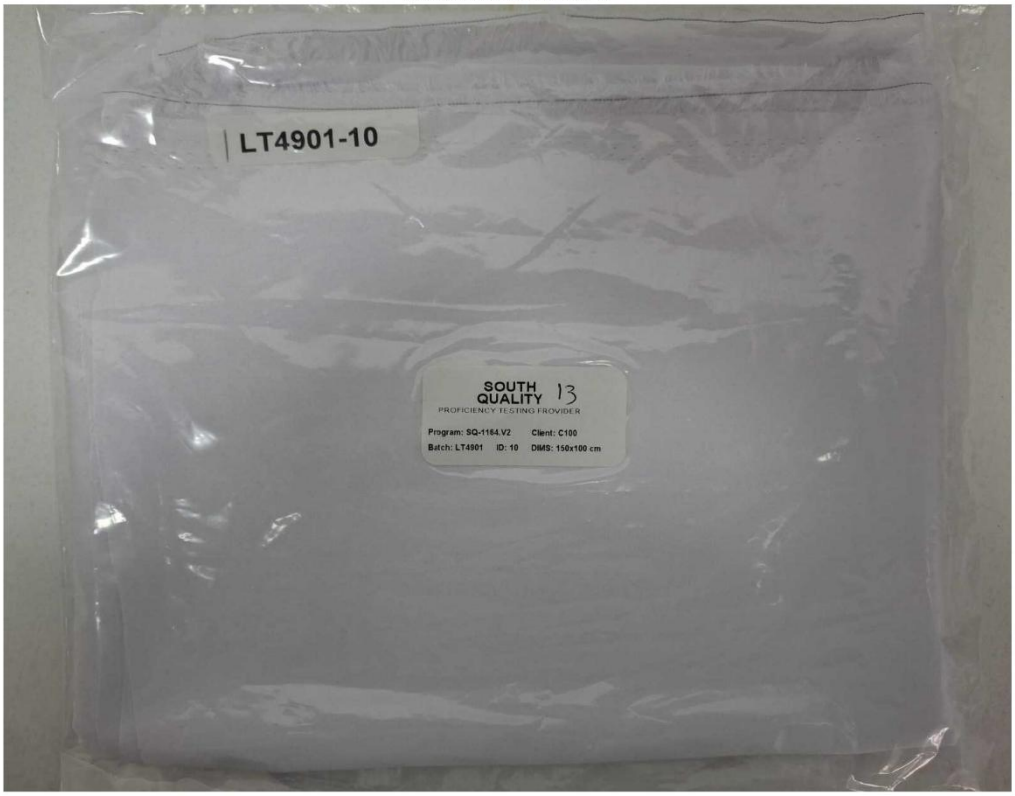
Report Number : **MEXT26007869**

Sample as received B



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 : MEXT26007869
DATE : 10-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) Brown children's sleep pants B) White fabric - 150 x 100 cm
Fiber Content	:	Not Submitted
Color	:	(A)Brown children's sleep pants, (B)White fabric
Style No.	:	LT3124-04 LT4901-10
Order No./PO No.	:	-
Buyer Name	:	SELF REFERENCE
Other Information	:	SQ-1164 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 : MEXT26007869
DATE : 10-Sep-2026

CONCLUSION :

	(A)	(B)
Standard for the Flammability of Clothing Textiles	P	P

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

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TEST REPORT

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TEST REPORT

NUMBER : MEXT26007869
DATE : 10-Sep-2026

1. Standard for the Flammability of Clothing Textiles

16 CFR 1610 Test Laboratory accredited by ema, a.c. with accreditted No. TV-227-001/ 10
Washing conditions: Commercial dry cleaning and machine wash warm (49°C), normal cycle, tumble dry permanent press.
Burn direction on plain surface before and after wash: Length up.
Performance test date: 2026/09/10

Sample (A)

Plain Surface Raised Surface

Burn Direction:	Burn Direction:
Length	Length
Width	Width
Original (Seconds)	
1. See Remark	

Requeriment
Class 1

Sample (B)

☒ Plain Surface ☐ Raised Surface

Burn Direction: ☒ Length ☐ Width	Burn Direction: ☒ Length ☐ Width
PRELIM PLAIN SURFACE :	PRELIM PLAIN SURFACE :
Length DNI	Length DNI
Width DNI	Width DNI
Original (Seconds)	After One Dry Cleaning / Laundering (Seconds)
1. DNI	1. DNI
2. DNI	2. DNI
3. DNI	3. DNI
4. DNI	4. DNI
5. DNI	5. DNI
Average. -	Average. -

Requeriment
Class 1

Classification : ☒ Class 1, Normal Flammability

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TEST REPORT

NUMBER : MEXT26007869
DATE : 10-Sep-2026

EXPLANATION OF FLAMMABILITY RESULTS :

*IBE	IGNITED , BUT EXTINGUISHED, THE ASTERISK (*) DENOTES A BURN THAT GOES UNDER THE CORD WITHOUT BREAKING THE CORD.
DNI	DID NOT IGNITE.
IBE	IGNITED , BUT EXTINGUISHED.
0.0 IBE	ACTUAL TIME OF BURN FROM IGNITION UNTIL THE FLAME SEVERS THE CORD DIRECTLY ABOVE THE SPECIMEN (RELEASING THE WEIGHT WHICH IN TURN STOPS THE TIMER) WILL GIVE A NUMERICAL TIME IN 0.0 SECONDS.
*0.0 SFBB POI	TIME IN SECONDS, SURFACE FLASH BASE BURN POSSIBLY STARTING AT THE POINT OF IMPINGEMENT. THE ASTERISK IS ACCOMPANIED BY THE FOLLOWING:" UNABLE TO MAKE ABSOLUTE DETERMINATION AS TO SOURCE OF BASE BURNS." BURNING.IT DOES NOT QUALITY AS A BASE BURN UNDER THE CURRENT INTERPRETATION OF CFR 1610.
0.0 SF ONLY	TIME IN SECONDS, SURFACE FLASH ONLY.NO DAMAGE TO THE BASE FABRIC.
*0.0 SFBB	TIME IN SECONDS, SURFACE FLASH BASE BURN.BASE STARTS BURNING AT POINTS OTHER TAHN POINT OF IMPINGEMENT.
0.0 SFBB POI	TIME IN SECONDS, SURFACE FLASH BASE BURN.BASE STARTS BURNING AT POINTS OTHER TAHN POINT OF IMPINGEMENT.
SF PW	SURFACE FLASH, PART WAY.NO TIME SHOWN BECAUSE THE SURFACE FLASH DID NOT REACH THE CORD.
SF UC	SURFACE FLASH UNDER THE CORD , BUT DOES NOT BREAK THE CORD.
SF POI	SURFACE FLASH, AT POINT OF IMPINGEMENT ONLY(EQUIVALENT TO "DID NOT IGNITE" FOR PLAIN SURFACE).

.

Remark*: Based upon the Applicant's sample declaration, the sample is exempt from Flammability testing by fiber (polyester 100%), in accordance with 16 CFR 1610.1(d) ultimately, It Is Applicant's responsibility to substantiate the claim of information related to the exemption criteria as stated in 16 CFR 1610.1(d)

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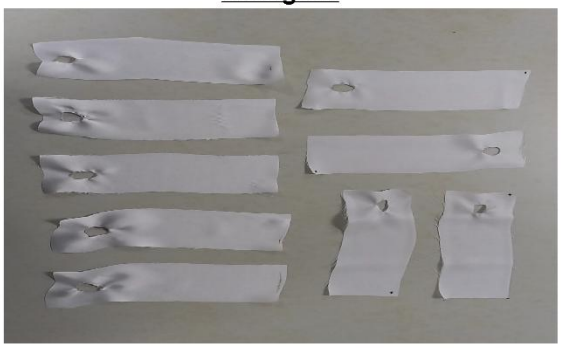
TEST REPORT

NUMBER : MEXT26007869
DATE : 10-Sep-2026

B Original



B After refurbishing



END OF THE TEST REPORT

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