



## REPORT

Report nr.: **1508267-005**  
Report date: **30-dic-15**  
Acceptance code: **1508267**  
Acceptance date: **02-dic-15**  
Start test date: **02-dic-15**  
End test date: **30-dic-15**  
References: **---**

Customer code: 5485

**To:**  
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To the attention of:

sig. Sergio Sala Crist

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Article description: **ALPACA**  
Declared composition: **39% Cotton - 28% Alpaca - 11% Polyester - 9% Virgin wool - 7% Polyamide - 6% Viscose**  
End use: **Furnishing**  
Typology: **Fabric**  
Return: **Specimens enclosed**  
Sampling by customer

The results reported herein refer to the tested samples only and do not involve any product approval by Centro Tessile Serico.  
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TEST	M.U.	RESULTS
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**14323-ar PROPENSITY TO SURFACE PILLING**  
**(Martindale)**

**Method:** UNI EN ISO 12945-2/02

**Instrument:** Abrasion Tester Martindale J.Heal - NU - 406

Number of observers: 02

EXPLANATORY NOTE OF THE RESULTS

Grade 5: no change

Grade 4: slight surface fuzzing and/or partially formed pills.

Grade 3: moderate surface fuzzing and/or moderate pilling. Pills of varying size and density partially covering the specimen surface.

Grade 2: distinct surface fuzzing and/or distinct pilling. Pills of varying size and density covering a large proportion of the specimens surface.

Grade 1: dense surface fuzzing and/or severe pilling. Pills of varying size and density covering the whole of the specimen surface.

Date of test: 15-12-2015

Pretreatment carried out: NO ONE

Change at 500 revs. grade 5

Change at 1000 revs. grade 5

Change at 2000 revs. grade 5

Change at 5000 revs. grade 4-5

The final grade above refers to fuzzing.

Number of specimens: nr. 3

Abradent: Abradant wool



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Load applied: g 415  
 Deviation from procedure -

**14063 RESISTANCE TO ABRASION (Martindale) -  
 DETERMINATION OF SPECIMEN BREAKDOWN**

**Method:** UNI EN ISO 12947-2:2000 + EC 1-2010

**Instrument:** Abrasion Tester Martindale J.Heal - 103

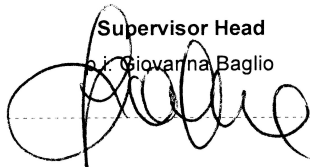
**SPECIMEN BREAKDOWN**

Specimen breakdown is reached when:

- in woven fabric, when two separate threads are completely broken;
- in knitted fabric, when one thread is broken causing a hole;
- in pile fabric, when the pile is fully worn off;
- in nonwoven fabric, when the first hole is of a diameter at least equal to 0,5 mm.

Date of test:		14-12-201
Pretreatment carried out		NO ONE
First specimen: cycles to end point	cycles	>110000
Second specimen: cycles to end point	cycles	>110000
Third specimen: cycles to end point	cycles	>110000
Average	cycles	>110000
Confidence limits		-
Load applied	kPa	12
Change in colour at the end point (when stated)	grade	N.D.
Pilling occurred	cycles	-
Deviation from procedure		-
Enclosed:	nr.	1

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**END OF REPORT**  
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**Supervisor Head**  
 Dr. Giovanna Baglio  


**Technical Head**  
 Prof. Mario Frigerio  
