

## CERTIFICATE OF TESTING

For the Account Of: Bru Textiles  
Satenrozen 2a  
B2550 Kontich  
Belgium  
Contact: Tineke Verbruggen

Client's Identification: FR-One Genii: Grail~Gawain~Galahad

**TEST PERFORMED** Dimensional Changes in Laundering of Woven and Knitted Fabrics Except Wool AATCC 96-2012

**TEST RESULTS**

		Dimensional Change (Warp)	Dimensional Change (Fill)	Smoothness Appearance Rating	Pilling Rating	Color Change Rating	Snagging Rating
Laundering #1	Sample #1	-4.5%	-1.5%	SA4.5	5.0	5.0	5.0
	Sample #2	-4.5%	-1.5%	SA4.5	5.0	5.0	5.0
	Sample #3	-4.5%	-1.5%	SA4.5	5.0	5.0	5.0
Laundering #3	Sample #1	-6.0%	-2.5%	SA4.0	5.0	5.0	5.0
	Sample #2	-5.5%	-2.3%	SA4.0	5.0	5.0	5.0
	Sample #3	-5.8%	-2.0%	SA4.0	5.0	5.0	5.0
Laundering #5	Sample #1	-6.0%	-2.3%	SA4.5	5.0	5.0	5.0
	Sample #2	-6.0%	-2.3%	SA4.5	5.0	5.0	5.0
	Sample #3	-5.8%	-2.3%	SA4.5	5.0	5.0	5.0

**Water Temperature:**

- Test Ic - 105°F (40°C)
- Test IIc - 125°F (51°C)
- Test IIIc - 140°F (63°C)
- Test IVc - 160°F (74°C)
- Modified: \_\_\_\_\_

**Drying Method:**

- A. Tumble
  - Low  Normal  High
- B. Line
- C. Drip
- D. Screen Dry

**Restoration Procedure:**

- 0 - None
- 1 - Hand Iron
- 2 - Flatbed Press

**Size Samples Used:**

- 12"x12"
- 40cm x 40cm
- 60cm x 60cm
- Whole article tested
- Other \_\_\_\_\_

**NOTES**

**Detergent Used:** AATCC Reference Detergent  
**Load Size:** 1.8 kg

**ABBREVIATIONS USED**

- Denotes shrinkage
- + Denotes growth
- NR - Not Requested for Evaluation

**RATING SYSTEMS**

**Smoothness\* (Graded with AATCC 3-D Smoothness Appearance Replicas)**

- 5 - Very smooth, pressed finished appearance
- 4 - Smooth, finished appearance
- 3.5 - Fairly smooth, but nonpressed appearance
- 3 - Mussed, nonpressed appearance
- 2 - Rumpled, obviously wrinkled appearance
- 1 - Crumpled, creased and severely wrinkled appearance

**Pilling\* (Graded with ADJD3512 Photographic Standards)**

- 5 - No Pilling
- 4 - Slight Pilling
- 3 - Moderate Pilling
- 2 - Severe Pilling
- 1 - Very Severe Pilling

**Color\* (Graded with AATCC Gray Scale for Color Change)**


- 5 - No fading/color change
- 4 - Slight fading/color change
- 3 - Noticeable fading/color change
- 2 - Considerable fading/color change
- 1 - Excessive fading/color change

**Snagging\* (Graded with ICI Photographic Standards)**

- 5 - No Snagging
- 4 - Slight Snagging
- 3 - Moderate Snagging
- 2 - Severe Snagging
- 1 - Very Severe Snagging

*\*These evaluations are not part of the AATCC 96 standard and therefore are not covered under the scope of accreditation*

**CERTIFICATION** I certify that the above results were obtained after testing specimen in accordance with the procedures and equipment specified by the standard stated above.

  
Authorized Signature