



CERTIFICATE OF TESTING

For the Account Of: Creation Baumann  
979 Third Avenue  
Suite 1522  
New York, NY 10022  
Contact: Ellen Shultz

Client's Identification: Cavallo Coco

TEST PERFORMED Pilling Resistance and Other Related Surface Changes of Textile Fabrics: Brush Pilling Tester  
ASTM D3511/D3511M-13

TEST RESULTS

	Rating
Left	3.0
Center	3.0
Right	3.0
Average	3.0*

\*NOTE: Severe Fuzzing

RATING SYSTEM

- Class 5.0 No Pilling
- Class 4.0 Slight Pilling
- Class 3.0 Moderate Pilling
- Class 2.0 Severe Pilling
- Class 1.0 Very Severe Pilling

NOTES

- Test Conditions: 70 ±2°F, 65 ±2% Relative Humidity
- Sampling Method: As Received
- Viewing Apparatus: Macbeth Lightbooth
- Viewing Option: 45 degree
- Rating Standard: ADJD3512 Photographic Standards
- Running Times: 4 minutes brushing / 2 minutes pilling

ACCEPTANCE CRITERIA

- A.C.T. Standard: Acceptance Criteria
- Upholstery: Class 3 minimum

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: MBD



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TEST PERFORMED California Technical Bulletin 117: June 2013 -- Requirements, Test Procedure and Apparatus for Testing the Smolder Resistance of Materials Used in Upholstered Furniture -- Cover Fabric Test

TEST RESULTS

Specimen	Char Length (in)	Extinguished in 45 minutes? (Y/N)
1	0.4	Y
2	0.4	Y
3	0.4	Y

NOTES

Test Conditions: 70 ±5°F, 50 ±5% Relative Humidity

ACCEPTANCE CRITERIA

A material is considered to pass or fail based on the following criteria:

1. A single mock-up test specimen fails to meet the requirements of this test procedure if any of the following criteria occurs:
  - a. The mock-up test specimen continues to smolder after the 45 minute test duration
  - b. A vertical char length of more than 1.8 inches (45mm) develops on the cover fabric
  - c. The mock-up test specimen transitions to open flaming
2. The cover fabric passes the test if three initial mock-up specimens pass the test, i.e. the cigarettes burn their full length and are no longer smoldering
3. If more than one initial specimen fails, the cover fabric fails the test
4. If any one of the three initial specimens fails, repeat the test on additional three specimens
5. If all three additional specimens pass the test, the cover fabric passes the test. If any one of the additional three specimens fails, the cover fabric fails the test

CONCLUSION

Based on the above Results and Acceptance Criteria, the item tested is:

- Pass
- Fail

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**TEST PERFORMED** Colorfastness to Light AATCC Test Method 16.3-2012, Option 3

**TEST RESULTS**

Rating	Number Of Hours
Class 4.0	40

**RATING SYSTEM**

Class 5 No fading or color change  
Class 4 Slight fading or color change  
Class 3 Noticeable fading or color change  
Class 2 Considerable fading or color change  
Class 1 Much fading or color change

**NOTES**

**Light Source:** Xenon –Arc, Water Cooled, Continuous Light  
**Scale Used for Evaluation:** AATCC Gray Scale for Color Change

**ACCEPTANCE CRITERIA**

A.C.T. Standard	Acceptance Criteria
Upholstery	Class 4 minimum – 40 hours
Direct Glue Wallcoverings	Class 4 minimum – 40 hours
Panels and Upholstered Walls	Class 4 minimum – 40 hours
Drapery	Class 4 minimum – 60 hours

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MBA



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TEST PERFORMED Colorfastness to Wet & Dry Crocking AATCC 8-2013

TEST RESULTS

Dry Crocking Class 5.0  
Wet Crocking Class 5.0

RATING SYSTEM

- Class 5 No color transfer
- Class 4 Slight color transfer
- Class 3 Moderate color transfer
- Class 2 Considerable color transfer
- Class 1 Much Color transfer

NOTES

Scale Used for Evaluating: AATCC Chromatic Transference Scale

ACCEPTANCE CRITERIA

A.C.T. Standard

- Upholstery
- Direct Glue Wallcoverings
- Panels and Upholstered Walls
- Draperies (Solid)
- Draperies (Print)

Acceptance Criteria (Dry)

- Class 4 minimum
- Class 3 minimum
- Class 3 minimum
- Class 4 minimum
- Class 4 minimum

Acceptance Criteria (Wet)

- Class 3 minimum
- Class 3 minimum
- Class 3 minimum
- Class 3 minimum
- Class 3 minimum

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**TEST PERFORMED** Resistance to Slippage of Yarns in Woven Fabrics Using a Standard Seam ASTM D4034-92

**TEST RESULTS**

Specimen	Warp Yarn Slippage (lbf)		Fill Yarn Slippage (lbf)	
	Value	SS	Value	SS
1	42.4	SS	40.0	SS
2	43.3	SS	30.8	SS
3	43.8	SS	58.4	SS
4	42.3	SS	32.7	SS
5	37.4	SS	53.5	SS
<b>Average</b>	<b>41.9</b>		<b>43.1</b>	

**ABBREVIATIONS USED**

**SB** Seam broke before 1/4" slippage - Results should reflect this  
**SS** 1/4" slippage occurred - Note: Actual slippage of yarns is visible  
**FB** Fabric broke before 1/4" slippage - Note: Actual breakage is visible

**NOTES**

**Equipment Used:** Tinius Olson H5KT Universal Testing Machine  
**Seam Description:** Per ASTM D3597-02  
**Seam Type** Standard Lockstitch  
**Stitches per Inch** 7 ± 0.5 stitches per inch  
**Needle Used** Size 22 NM: 140, 135x17 ball point needle  
**Thread** Nymo EX Bonded Nylon thread; 5x is used for the bobbin and 8x is used for the needle

**ACCEPTANCE CRITERIA**

**A.C.T. Standard** Upholstery  
**Acceptance Criteria** 25 lbs. Minimum

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TEST PERFORMED Abrasion Resistance of Textile Fabrics (Oscillatory Cylinder Method) ASTM D4157-13

TEST RESULTS

Number of Double Rubs	Warp (Length) Specimens Breakage Occurred	Fill (Width) Specimens Breakage Occurred
45,000		

INTERPRETATION USED

- Option 1 The end point is reached on a woven fabric when two or more yarns have broken or on a knitted fabric, when a hole appears.
- Option 2 The end point is reached when there is a change in shade or appearance that is sufficient to cause a customer to complain.

NOTES

**Abradant Used:**  ACT Standard #10 Cotton Duck  Wire Screen  
**Samples Backed with Masking Tape:**  Yes  No  
**Tension:** 4 pounds  
**Compression:** 3 pounds

ACCEPTANCE CRITERIA

A.C.T. Standard	Acceptance Criteria
General Contract Upholstery	No appreciable breakage or wear after 15,000 double rubs
Heavy Duty Upholstery	No appreciable breakage or wear after 30,000 double rubs

**CONCLUSION** Based on the above Results and the A.C.T. Standard, the item tested:  
 Unrated  
 General Contract Upholstery  
 Heavy Duty Upholstery

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Authorized Signature: MB