



# SOFTLINES TEST REPORT

Style Number:	Not Provided
Overall Rating:	NOT REQUIRED

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CLIENT INFORMATION		STR INFORMATION	
Client:	Vander Enterprises LLC	Report Number:	32435 (Supplement)
Address:	1811 Pheasant Run Richmond, IN 47374	Trace Code:	TX08.0628
Contact:	Erick Van Der Merwe	Date Received:	July 17, 2008
Phone:	765-966-2009 Fax: 765-966-2099	Date Authorized:	July 17, 2008
Email:	<a href="mailto:erick@vander-enterprises.com">erick@vander-enterprises.com</a>	Date Test(s) Conducted:	July 17 – 29, 2008
Cc:	Not Provided	Date Completed:	August 13, 2008 (Supplement)

SAMPLE INFORMATION			
Item Description:	Biowash Ball	Fabric/Garment End Use:	Not Provided
Color/Identification:	Not Provided	PO Number:	Not Provided
Tested Previously:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Previous STR Project Number:	N/A

SUBMITTED CARE INSTRUCTIONS	SUGGESTED CARE LABEL
Machine Wash Warm Tumble Dry High	N/A

SUBMITTED FIBER CONTENT	SUGGESTED FIBER LABEL
Not Provided	N/A

*Note: Supplement to include additional clarification to testing method and results in report issued on July 29, 2008.*

*Signature on File*  
 Patricia A. Laughlan  
 Manager, Softlines

: amt/sa  
 : at

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#### Test Procedures:

##### STR TP 129- Staining Procedure

- 1) 7" x 7" squares were drawn on 2 cotton twill fabrics. (Fabrics to be washed in separate washing machines.)
- 2) Stains were selected as follows:
  - 1) Gallo® Burgundy Wine
  - 2) Welch's® Bottled Grape Juice
  - 3) French's® Plain Mustard
  - 4) Bottle Ketchup
  - 5) Mayonnaise
  - 6) Salad Oil
- 3) All stains were applied to individual squares on the 2 twill fabrics. One teaspoon of each stain type was applied to the center of each square. The staining material was rubbed into the fabric in a circular area of approximately 2" diameter.
- 4) Stains were aged for 24 hours and excess cleaned off prior to washing.

##### AATCC 135- Wash/Dry Procedure

This test method provides the actual washing procedure for the test specimens. The stained specimens were washed in an AATCC acceptable automatic washing machine with a 4 lb. ballast load consisting of 36" x 36" white cotton sheeting and then dried as a complete load. One washer contained the stained specimens and were washed with the Biowash Ball under the following conditions: Machine Wash Warm (105°±5°F), Tumble Dry High. Another set of stained test specimens was washed with 66 grams of granulated Tide® Detergent under the above wash/dry instructions. Upon drying after the first wash/dry cycle, the specimens were allowed to remain under lab conditions of 70° +/- 2°F temperature and 65% +/-2% relative humidity for 4 hours prior to stain removal evaluation.

##### Evaluation Procedure (According to AATCC 130)

The AATCC 130 Stain Release Replica was used to rate amount of remaining stain on the fabrics. Each individual stain was evaluated by 2 technicians using standards of 5.0 (best stain removal) to 1.0 (poorest stain removal). The average of the ratings was reported individually for each stained area. This evaluation was repeated for the second test product.

The test samples were washed and dried 4 more times according the previous AATCC 135 procedures and the stained areas evaluated again according to the STR TP 129 and AATCC 130 specifications.

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### PERFORMANCE TESTING

<b>SOIL RELEASE (STR TP 129 -2002)</b>				Requirements
<i>Care Method: Machine Wash Warm (105°±5°F), Tumble Dry High</i>				
<b>Sample:</b>	<b>Tide Detergent®</b>			
Miscellaneous Stains:	After 1 Cycle	After 5 Cycles		
1. Gallo® Burgundy Wine	1.5	2.0		
2. Welch's® Bottle Grape Juice	2.5	3.0		
3. French's® Plain Mustard	1.5	3.0		
4. Bottle Ketchup	4.0	5.0		
5. Mayonnaise	4.5	5.0		
6. Salad Oil	5.0	5.0		
<b>Sample:</b>	<b>Biowash Ball</b>			Not Provided
Miscellaneous Stains:	After 1 Cycle	After 5 Cycles		
1. Gallo® Burgundy Wine	2.0	2.5		
2. Welch's® Bottle Grape Juice	2.5	3.0		
3. French's® Plain Mustard	1.0	1.0		
4. Bottle Ketchup	4.0	4.5		
5. Mayonnaise	4.0	4.5		
6. Salad Oil	5.0	5.0		
<i>Note: Ratings based on AATCC 130 Stain Release Replica</i>				
<i>Grade 5 represents the best stain removal and Grade 1 the poorest stain removal.</i>				

**Conclusion and Comments:**

A 0.5 rating difference is considered technically "no different", since this evaluation system is subjective. Based upon the above test results, it appears that the Biowash Ball removed most stains as well as the Tide® Detergent after multiple washings. The only exception was the Tide® Detergent removed the French's® Plain Mustard stain more significantly than the Biowash Ball.

\*\*\* END OF REPORT \*\*\*

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