

## CERTIFICATE OF TESTING

For the Account Of: Vescom  
2289 Ross Mill Road  
Henderson, NC 27536

Contact: Christine Wekilsky

Client's Identification: Moroni

**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	FB	Value	FB
1	58.6	FB	48.4	FB
2	90.3	FB	47.7	FB
3	61.4	FB	48.3	FB
4	57.9	FB	44.4	FB
5	60.6	FB	45.7	FB
<b>Average</b>	<b>65.8</b>		<b>46.9</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:

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

**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-MB 