

For the Account of: Gabriel A/S  
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Client's Identification: 2379.2380 col. 2217

## CERTIFICATE OF TESTING

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

### TEST RESULTS

Specimen	Warp Yarn Slippage (lbf)	Type of Failure	Specimen	Fill Yarn Slippage (lbf)	Type of Failure
1	111.0	SB	1	110.0	SB
2	101.0	SB	2	106.0	SB
3	104.0	SB	3	104.0	SB
4	107.0	SB	4	99.5	SB
5	97.2	SB	5	84.1	SB
<b>Avg. Warp</b>	104.0		<b>Avg. Fill</b>	100.5	

### 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

**Test Conditions:** 70 ±4°F, 65 ±5% Relative Humidity  
**Sampling:** As Received  
**Equipment Used:** Tinius Olson H5KT Universal Testing Machine (CRE)  
**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** **Acceptance Criteria**  
Upholstery 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

Date Order Completed: 04/02/2025