

**For the Account of** Gabriel A/S  
Hjulgagervej 55  
9000 Aalborg Denmark

**Client's Identification** 2619, 2620 col. 1102

## CERTIFICATE OF TESTING

**TEST PERFORMED** Standard Test Method for Resistance to Yarn Slippage at the Sewn Seam in Woven Upholstery Fabrics  
ASTM D4034/D4034M-19

### TEST RESULTS

Specimen	Warp Yarn Slippage (lbf)	Type of Failure	Specimen	Fill Yarn Slippage (lbf)	Type of Failure
1	34.2	SS	1	141.0	SB
2	49.4	SS	2	144.0	SB
3	51.3	SS	3	133.0	SB
4	51.8	SS	4	124.0	SB
5	47.7	SS	5	126.0	SB
<b>Avg. Warp</b>	47.0		<b>Avg. Fill</b>	133.5	

### 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

#### ACT Performance Guideline Criteria

**Woven Fabrics**  
Upholstery *Indoor + Outdoor* 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: 03/17/2026