



For the Account of: Gabriel A/S  
 Hjulmagervej 55  
 9000 Aalborg Denmark

Client's Identification: Umber 61265

## 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	180.0	FB	1	53.3	SS
2	177.0	FB	2	59.6	SS
3	189.0	FB	3	51.4	SS
4	182.0	FB	4	50.3	SS
5	180.0	FB	5	45.8	SS
<b>Avg. Warp</b>	<b>181.5</b>		<b>Avg. Fill</b>	<b>52.0</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:**

<b>Seam Type</b>	Standard Lockstitch
<b>Stitches per Inch</b>	7 ± 0.5 stitches per inch
<b>Needle Used</b>	Size 22 NM: 140, 135x17 ball point needle
<b>Thread</b>	Nymo EX Bonded Nylon thread; 5x is used for the bobbin and 8x is used for the needle

### ACCEPTANCE CRITERIA

<b>A.C.T. Standard</b>	<b>Acceptance Criteria</b>
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: 01/10/2023