

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

Client's Identification: UMI col.64289 LIGHT RED

## 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<br>Slippage (lbf) | Type of Failure | Specimen         | Fill Yarn<br>Slippage (lbf) | Type of Failure |
|------------------|-----------------------------|-----------------|------------------|-----------------------------|-----------------|
| 1                | 36.7                        | SS              | 1                | 23.0                        | SS              |
| 2                | 25.4                        | SS              | 2                | 27.2                        | SS              |
| 3                | 44.8                        | SS              | 3                | 32.3                        | SS              |
| 4                | 37.1                        | SS              | 4                | 31.3                        | SS              |
| 5                | 31.3                        | SS              | 5                | 37.7                        | SS              |
| <b>Avg. Warp</b> | <b>35.0</b>                 |                 | <b>Avg. Fill</b> | <b>30.5</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

**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: 04/25/2025