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| Assignor: | Fredericia Furniture A/S Treldevej 183 DK-7000 Fredericia |  |  |  |  | Page 1 of 1 Jha/jnas/hbs Order no.: 104848 No. of appendices: 2 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Item: | Model: | 5721 Gomo Lounge Chair Swivel 360 degrees <br> This test also covers: Gomo Lounge Chair w. fixed base |  |  |  |  |
|  | Type: | Chair |  |  |  |  |
|  | Depth: | 670 mm | Width: | 670 mm | Height: | 750 mm |
|  | Weight: | 20.88 kg |  |  |  |  |
|  | Materials: | Filling, up | y, wood |  |  |  |

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 14-03-2023.

| Method: | ANSI/BIFMA X5.4-2020 American National Standard For Office Furnishings - Public and <br> Lounge Seating |
| :--- | :--- |
| Period: | The testing was carried out from 22-03-2023 to 11-05-2023. | | Result: | Model $\mathbf{5 7 2 1}$ Gomo Lounge Chair Swivel fulfils the requirements of ANSI/BIFMA X5.4- <br> 2020. |
| :--- | :--- |
|  | Individual results appear from Appendix 1. |

Signature: Test responsible Co-signatory

COMPLIANT

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## Testing of Model: 5721 Gomo Lounge Chair Swivel

ANSI/BIFMA X5.4


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## Testing of Model: 5721 Gomo Lounge Chair Swivel

| Test |  | Result |
| :---: | :---: | :---: |
| 18 | Caster/Unit Base Durability Test - Cyclic |  |
|  | Seat constant load: 122 kg <br> On surface with obstacles: 500 cycles <br> On surface without obstacles: 25,000 cycles <br> Pull force on caster: $22 \mathrm{~N} \times 1 \mathrm{~min}$ | N/A |
| 19 | Swivel Test - Cyclic |  |
|  | Seat constant load: 122 kg $90^{\circ}$ rotation $\times 120,000$ cycles | Passed |
| 20 | Tilt/rocker/glider Mechanism Test - Cyclic |  |
|  | Seat constant load: 109 kg Back tilt: 200,000 cycles | N/A |
| 21 | Stability Tests |  |
| $\begin{aligned} & 21.3 \\ & 21.4 \\ & 21.5 \\ & 21.6 \end{aligned}$ | Rear stability: 6  <br> discs (non-tilting unit)  <br> Force on back: $\mathrm{F}=0.1964(1195-\mathrm{H})(\mathrm{H}=$ discs (tilting unit <br> Front height in mm$)$  <br>  Units $<36.3 \mathrm{~kg}:$ Seat load: $600 \mathrm{~N}-$ pull force 20 N <br>  <br>  <br>  <br> Units $>36.3 \mathrm{~kg}:$ Pull force: $142 \mathrm{~N}-45^{\circ}$ angle | Passed |
| 22 | Tablet Arm Load Ease Test - Cyclic |  |
|  | $25 \mathrm{~kg} \times 100,000$ cycles | N/A |
| 23 | Tablet Arm Load Test - Static |  |
|  | 68 kg downward $\times 1 \mathrm{~min}$. | N/A |
| 24 | Structural Durability Test - Side-to-Side - Cyclic |  |
|  | Seat constant load: 109 kg Push/pull force: $334 \mathrm{~N} \times 25,000$ cycles | Passed |
| 25 | Cycle Test for Recliners - Backrest and/or Legrest Mechanism Durability |  |
|  | Backrest constant load: 56 kg <br> Seat constant load: 56 kg <br> Legrest constant load: 12 kg <br> Legrest + back: 25,000 cycles each | N/A |
| 26 | Legrest Strength Test - Static Load |  |
|  | Seat constant load: $112 \mathrm{~kg} / 56 \mathrm{~kg}$ Load on legrest: 13.6 kg (no retraction) | N/A |
| 27 | Footrest Static Load Test for Stools - Vertical |  |
|  | Functional load: $445 \mathrm{~N} \times 1 \mathrm{~min}$ (in two opposite directions) Proof load: $1334 \mathrm{~N} \times 10$ sec. | N/A |
| 28 | Footrest Durability Test for Stools - Vertical Cyclic |  |
|  | Force on footrest: $890 \mathrm{~N} \times 50,000$ cycles | N/A |

N/A - Not applicable

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## Testing of Model: 5721 Gomo Lounge Chair Swivel

## Photo




[^0]:    <br>localdom.net\TI Folders D01\Organization\C007\Opgaver\159\Fredericia Furniture\104848\104848-30 5721 Gomo Lounge Chair Swivel 360 ANSI Bifma X5.4.docx

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