



Test Report

REVISION 1

Report No.: 832224-9

Assignor: Nine United Denmark A/S/Hay
Havnen 1
DK-8700 Horsens

Page 1 of 1
jjoh/laha/hbs
Order no.: 832224
No. of appendices: 2

Subject: Model: AAC123

| | | | | | |
|------------|--------------------------------------|--------|--------|---------|--------|
| Type: | Chair | | | | |
| Length: | 600 mm | Width: | 615 mm | Height: | 850 mm |
| Weight: | 6.3 kg | | | | |
| Materials: | Seat shell: Plastic Alu-Wood Base | | | | |

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 30-11-2018.

Method: EN 1022:2005 Domestic furniture - Seating - Determination of stability.
EN 16139:2013 Furniture - Strength, durability and safety - Requirements for non-domestic seating.

Clauses 4.1, 4.2.3, 4.3.3, 5, 6.1.1, 6.1.2, 6.1.3, 6.1.5, 6.1.6, 6.1.8, 6.1.9, 6.1.10, 6.1.12, 6.1.13, 6.1.14, 6.1.15, 6.1.16.

L2: Extreme use: E.g. in night-clubs, police stations, transport terminals, sport changing rooms, prisons, barracks (non-controlled areas).

Period: The testing was carried out from 03-12-2018 to 18-01-2019.

Result: Model AAC123 fulfils the requirements in EN 1022:2005 and EN 16139:2013.
Loading according to Test severity L2.
Individual results appear from Appendix 1.

Storage: The test material will be destroyed after 1 month, unless otherwise agreed.

Terms: Accredited testing was carried out in compliance with international requirements (EN/ISO/IEC 17025:2005) and in compliance with Danish Technological Institute's (DTI) General Terms and Conditions regarding Commissioned Work accepted by Danish Technological Institute. The test results apply to the tested products only. This report may be quoted in extract only if the laboratory has granted its written consent.

Note: Rev. 1 due to change of product name

Date/place: 23-01-2019, Danish Technological Institute, Wood and Biomaterials, Taastrup
Replaces report dated 18-01-2019

Signature: Test responsible

Co-signatory

Order no.: 832224-9 rev 1
Appendix: 1
Page: 1 of 1
Initials: jjoh/laha/hbs

Test of Model: AAC123

Loading according to Test severity L2.

| Test | Test Method | Cycles | Load | Result |
|--|----------------------|------------------|--------------------------------|--------|
| 4.1 General | EN 16139, 4.1 | | | Passed |
| 4.2.2 Shear and squeeze points under influence of powered mechanisms | EN 16139, 4.2.2 | | | N/A |
| 4.2.3 Shear and squeeze points during use | EN 16139, 4.2.3 | | | Passed |
| 4.3.2 Swivelling chairs | EN 1022 | | | N/A |
| 4.3.3 Non swivelling chairs | EN 1022 | | | Passed |
| 4.4 Rolling resistance of the unloaded chair | EN 16139, 4.4 | | | N/A |
| 5 Strength and durability requirements | EN 16139, 5 | | | Passed |
| 6.1.1 Seat static load and back static load test | EN 1728:2012, 6.4 | 10 10 | Seat: 2000 N Back: 700 N | Passed |
| 6.1.2 Seat front edge static load | EN 1728:2012, 6.5 | 10 | Seat: 1600 N | Passed |
| 6.1.3 Vertical load on back rests | EN 1728:2012, 6.6 | 10 | Back: 900 N Seat: 1800 N | Passed |
| 6.1.4 Foot rest static load test | EN 1728:2012, 6.8 | | | N/A |
| 6.1.4 Leg rest static load test | EN 1728:2012, 6.9 | | | N/A |
| 6.1.5 Arm rest sideways static load test | EN 1728:2012, 6.10 | 10 | 900 N | Passed |
| 6.1.6 Arm rest downwards static load test | EN 1728:2012, 6.11 | 5 | 900 N | Passed |
| 6.1.7 Vertical upwards static load on arm rests | EN 1728:2012, 6.13 | | | N/A |
| 6.1.8 Combined seat and back durability test | EN 1728:2012, 6.17 | 200000 200000 | Seat: 1000 N Back: 300 N | Passed |
| 6.1.9 Seat front edge durability test | EN 1728:2012, 6.18 | 100000 | 800 N | Passed |
| 6.1.10 Arm rest durability test | EN 1728:2012, 6.20 | 60000 | 400 N | Passed |
| 6.1.11 Foot rest durability test | EN 1728:2012, 6.21 | | | N/A |
| 6.1.12 Leg forward static load test | EN 1728:2012, 6.15 | 10 | Edge: 620 N) (Seat: 1800 N) | Passed |
| 6.1.13 Legs sideways static load test | EN 1728:2012, 6.16 | 10 | Edge: 760 N) (Seat: 1800 N) | Passed |
| 6.1.14 Seat impact test | EN 1728:2012, 6.24 | 10 | 300 mm | Passed |
| 6.1.15 Back impact test | EN 1728:2012, 6.25 | 10 | 330 mm / 48° | Passed |
| 6.1.16 Arm Impact Test | EN 1728:2012, 6.26 | 10 | 330 mm / 48° | Passed |
| 6.1.17 Drop test (multiple seating) | EN 1728:2012, 6.27.1 | | | N/A |
| 6.1.18 Auxiliary writing surface static load test | EN 1728:2012, 6.14 | | | N/A |
| 6.1.19 Auxiliary writing surface durability test | EN 1728:2012, 6.22 | | | N/A |
| 7 Information for use | EN 16139, 7 | | | N/A |

Order no.: 832224-9 rev 1
Appendix: 2
Page: 1 of 1
Initials: jjoh/laha/hbs

Test of Model: AAC123

Photo

