DANISH TECHNOLOGICAL INSTITUTE

Gregersensvej
DK-2630 Taastrup
Tel. +45 72 20 20 00
Fax +45 72 20 20 19

info@teknologisk.dk
www.teknologisk.dk

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

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Appendices 2
Initials laha/prni/hbs

# Test Report

Material:

Model: AAS 38/39

| | | | | | |
|---|---|---|---|---|---|
| Type: | Bar stool | | | | |
| Length: | 450 mm | Width: | 440 mm | Height: | 760 mm |
| Weight: | 7,2 kg | | | | |
| Materials: | Plastic seat<br>Ø12 mm thread frame | | | | |

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 14-04-2016.

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, 6.1.4, 6.1.8, 6.1.9, 6.1.11, 6.1.12, 6.1.13, 6.1.14, 6.1.15.

**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 15-04-2016 to 11-05-2016.

Result: Model AAS 38/39 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: The test has been performed according to the attached conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

Software: This report was generated by software version 2.21 of 2013-06-06.

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11-05-2016, Danish Technological Institute, Wood Technology, Taastrup
Replaces report dated 10-05-2016

Test responsible

Per Abildgaard Nielsen
Ph. Direct: +45 72 20 23 07
E-mail: prni@teknologisk.dk

Co-reader

# Test of model: AAS 38/39

## 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<br>10 | Seat: 2000 N<br>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<br>Seat: 1800 N | Passed |
| 6.1.4 Foot rest static load test | EN 1728:2012, 6.8 | 10 | 1600 N | Passed |
| 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 | | | N/A |
| 6.1.6 Arm rest downwards static load test | EN 1728:2012, 6.11 | | | N/A |
| 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<br>200000 | Seat: 1000 N<br>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 | | | N/A |
| 6.1.11 Foot rest durability test | EN 1728:2012, 6.21 | 100000 | 1000 N | Passed |
| 6.1.12 Leg forward static load test | EN 1728:2012, 6.15 | 10 | Edge: 620 N)<br>(Seat: 1800 N) | Passed |
| 6.1.13 Legs sideways static load test | EN 1728:2012, 6.16 | 10 | Edge: 760 N)<br>(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 | | | N/A |
| 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 |

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## Photo

The general conditions pertaining to assignments accepted by Danish Technological Institute shall apply in full to the technical testing or calibration at Danish Technological Institute and to the completion of test reports or calibration certificates within the relevant field.

**Danish Accreditation (DANAK):**
DANAK is the national accreditation body in Denmark in compliance with EU regulation No. 765/2008.

DANAK participates in the multilateral agreements for testing and calibration under European co-operation for Accreditation (EA) and under International Laboratory Accreditation Cooperation (ILAC) based on peer evaluation. Accredited test reports and calibration certificates issued by laboratories accredited by DANAK are recognized cross border by members of EA and ILAC equal to test reports and calibration certificates issued by these members' accredited laboratories..

The use of the accreditation mark on test reports and calibration certificates or reference to accreditation, documents that the service is provided as an accredited service under the company's DANAK accreditation according to EN ISO IEC 17025.

**Construction Product Directive:**
The Danish Technological Institute guarantees that employees carrying out tests to be used together with harmonized standards under notification no. 1235 according to EU regulation 305/2011, article 43, satisfy all the requirements made for capability, integrity and impartiality. You find the CPR here:
http://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/construction-products/index_en.htm

September 2015