# Test Report

Report Number:
231099-9-NDS

DANISH
TECHNOLOGICAL
INSTITUTE

Gregersensvej 1
DK-2630 Taastrup
+45 72 20 20 00
info@teknologisk.dk
www.teknologisk.dk



| | |
|---|---|
| **Assignor:** | WOODUPP A/S, Industrivej 59, DK-6760 Ribe |
| **Item:** | **TV Stand**. See enclosure B for detailed sample description. |
| **Sampling:** | The assignor confirms having selected the product. The product was forwarded by the assignor and received at Danish Technological Institute on 11 November 2024. |
| **Period:** | The test took place from 2 December 2024 to 17 December 2024. |
| **Method:** | EN 16121:2023 - Non-domestic storage furniture - Requirements for safety, strength, durability and stability<br>Test severity 1: General: hotels, homes for the elderly, kindergarten, reception areas, meeting rooms, lounge areas, restaurants, laboratory furniture.<br>Additional test methods that are referred to are listed in enclosure B. |
| **Test results:** | Passed.<br>The detailed results are shown in enclosure A. |
| **Terms:** | This test was conducted accredited in accordance with international requirements (ISO/IEC 17025:2017) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item. This test report may be quoted in extract only if Danish Technological Institute has granted its written consent. |
| **Place:** | Danish Technological Institute, Taastrup, Building and Construction |
| **Signature:** | This document is only valid with a digital signature from Danish Technological Institute. The date of issue appears from the digital signature.<br>Jacob Næsby<br>Consultant |

DIGITALLY SIGNED DOCUMENT
19 December 2024
DANISH TECHNOLOGICAL INSTITUTE

ilac-MRA DANAK
TEST Reg.no. 2

DANISH TECHNOLOGICAL INSTITUTE

# Results

## *Safety requirements*

| Test No. | Test | Result |
|---|---|---|
| 5.2 | General requirements | Passed |
| 5.3 | Holes in tubular/rigid components | N/A |
| 5.4.1 | Shear and compression points when setting up and folding | N/A |
| 5.4.2 | Shear and compression points under influence of powered mechanisms | N/A |
| 5.4.3 | Shear and compression points during use | N/A |
| 5.5 | Hinged horizontal lids | N/A |
| 5.6 | Vertical glass components | N/A |

## *Stability*

| Test No. | Test | Test Method | Loading | | Result |
|---|---|---|---|---|---|
| 5.7.1 | Doors, extension elements and flaps closed, all storage units unloaded - Units that are, or can be, adjusted to a height of 1000 mm or less | EN 16122, 11.2.1 | Vertical force, N | | N/A |
| 5.7.2 | Doors, extension elements and flaps closed, all storage units unloaded - Units that are, or can be, adjusted to a height of more than 1000 mm | EN 16122, 11.2.2 | Vertical force, N<br>Outward force, N | | N/A |
| 5.7.3 | All storage areas unloaded and all doors, extension elements and flaps open | EN 16122, 11.4.1 | - | - | N/A |
| 5.7.4 | All storage areas unloaded with overturning load | EN 16122, 11.4.2 | Vertical force, N | | N/A |
| 5.7.5 | All storage areas loaded with overturning load | EN 16122, 11.4.3 | Vertical force, N | | N/A |
| 5.7.6 | Doors, extension elements and flaps closed and locked | EN 16122, 11.5 | Outward force, N | | N/A |
| 5.7.7 | Dynamic stability test for units with castors | EN 16122, 11.6 | - | - | N/A |

## *Structural safety*

| Test No. | Test | Test Method | Loading | | Result |
|---|---|---|---|---|---|
| 5.8.1.1 | Static load test for tops and bottoms | EN 16122, 6.2.2 | Force, N<br>Cycles | | N/A |
| 5.8.1.2 | Shelf retention test - horizontal outward | EN 16122, 6.1.2 | Force, N | | N/A |
| 5.8.1.3 | Shelf retention test - vertical downward | EN 16122, 6.1.3 | Force, N | | N/A |
| 5.8.1.4 | Strength of shelf supports | EN 16122, 6.1.5 | Cycles<br>Mass per unit area, kg/dm²<br>Total mass used, kg | | N/A |
| 5.8.1.5 | Vertical load on pivoted doors | EN 16122, 7.1.2 | Mass, kg<br>Cycles | | N/A |
| 5.8.1.6 | Horizontal load on pivoted doors | EN 16122, 7.1.3 | Force, N<br>Cycles | | N/A |
| 5.8.1.7 | Strength of bottom-hinged flaps | EN 16122, 7.3.1 | Force, N<br>Cycles | | N/A |
| 5.8.1.8 | Strength of extension elements | EN 16122, 7.5.2 | Force, N<br>Cycles | | N/A |
| 5.8.1.9 | Slam open of extension elements | EN 16122, 7.5.4 | Velocity, m/s | | N/A |
| 5.8.1.10 | Interlock test | EN 16122, 7.5.6 | Force, N<br>Cycles | | N/A |
| 5.8.1.11 | Test for structure and underframes | EN 16122, 6.4.1 | Force, N<br>Cycles | | N/A |
| 5.8.1.12 | Test for unit with castors or wheels | EN 16122, 6.4.3 | Cycles | | N/A |
| 5.8.1.13 | Overload test | EN 16122, 10.1.3 | Mass per unit area, kg/dm²<br>Total mass used, kg | 120 | Passed |
| 5.8.1.14 | Dislodgement test | EN 16122, 10.1.4 | Force, N | | N/A |
| 5.8.1.15 | Units supported by the floor | EN 16122, 10.2 | Force, N | | |

## *Strength and durability*

Requirements in accordance with EN 16121 Severity 1

| Test No. | Test | Test Method | Loading | | Result |
|---|---|---|---|---|---|
| 6.1.1 | Strength of cloth rail supports | EN 16122, 6.3.1 | Mass per unit length, kg/dm<br>Time, h | | N/A |
| 6.1.2 | Strength of coat hooks | EN 16122, 9.1 | Force per hook, N<br>Cycles | | N/A |
| 6.1.3 | Durability of pivoted doors | EN 16122, 7.1.5 | Cycles | | N/A |
| 6.1.4 | Slam shut test of pivoted doors | EN 16122, 7.1.4 | Mass, kg<br>Cycles | | N/A |
| 6.1.5 | Slam shut/open of sliding doors and horzontal roll fronts | EN 16122, 7.2.2 | Mass, kg<br>Cycles | | N/A |
| 6.1.6 | Durability of sliding doors and horizontal roll fronts | EN 16122, 7.2.3 | Cycles - sliding doors<br>Cycles - roll fronts | | N/A |
| 6.1.7 | Durability of flaps | EN 16122, 7.3.2 | Cycles | | N/A |
| 6.1.8 | Durability of vertical roll fronts | EN 16122, 7.4.2 | Cycles | | N/A |
| 6.1.9 | Durability of extension elements | EN 16122, 7.5.3 | Cycles - extension elements<br>Cycles - trays | | N/A |
| 6.1.10 | Slam shut of extension elements | EN 16122, 7.5.4 | Velocity, m/s | | N/A |
| 6.1.11 | Displacement of extension element bottoms | EN 16122, 7.5.5 | Force, N<br>Cycles | | N/A |
| 6.1.12 | Strength test for locking and latching mechanisms for extension elements | EN 16122, 7.6.2 | Force, N<br>Cycles | | N/A |
| 6.1.13 | Strength test for locking and latching mechanisms for doors, flaps and roll fronts | EN 16122, 7.6.3 | Force, N<br>Cycles | | N/A |
| 6.1.14 | Drop test | EN 16122, 6.4.2 | Drop height, mm | | N/A |
| 6.1.15 | Deflection of shelves | EN 16122, 6.1.4 | Mass per unit area, kg/dm²<br>Total mass used, kg | | N/A |
| 6.1.16 | Dislodgement of clothes rails | EN 16122, 6.3.2 | Mass per unit length, kg/dm<br>Total mass used, kg | | N/A |
| 6.1.17 | Drop test for trays | EN 16122, 8.3 | Drop height, mm<br>Cycles | | N/A |
| 6.1.18 | Sustained load test for trays | EN 16122, 8.2 | Kg/dm²<br>Total mass used, kg | 120 | N/A |

## *Documentation*

| Test No. | Test | Result |
|---|---|---|
| 7 | Information for use | Passed |

DANISH TECHNOLOGICAL INSTITUTE

## Methods

The following standard methods are used in this test report:

EN 16121:2023 - Non-domestic storage furniture - Requirements for safety, strength, durability and stability

EN 16122:2012 - Domestic and non-domestic storage furniture - Test methods for determination of strenght, durability and stability

| | |
|---|---|
| Measurement uncertainty: | Decision rule according to EN ISO IEC 17025:2018 clause 3.7: No account is taken of measurement uncertainty when reporting numerical results. |

## Sample

Description of the item tested:

| | |
|---|---|
| Model: | TV Stand |
| Type: | TV Stand |
| Width: | mm |
| Height: | mm |
| Depth: | mm |
| Weight: | 3.5 kg |
| Materials: | |
| Mounting: | Wall mounted |

Photo of the sample as received:

## Additional photos