

„MEŽA UN KOKSNES PRODUKTU PĒTNIECĪBAS UN ATTĪSTĪBAS INSTITŪTS” SIA
VAT No. LV 43603022749
Dobeles iela 41, Jelgava, LV-3001, Latvia
Phone +371 63010605 * E-mail meka@e-koks.lv * Web www.e-koks.lv



Test Report No. 9800-1/2024

Forest and Wood Products Research and Development Institute
Testing Laboratory

Customer: Helland Baltic OÜ
Registration number: 12570665
Customer address: Hapvali, Nõmme küla Haapsalu linn Lääne maakond 90439, Estonia

Manufacturer: Helland Baltic OÜ
Registration number: 12570665
Manufacturer address: Hapvali, Nõmme küla Haapsalu linn Lääne maakond 90439, Estonia

Owner of the test report: Helland Baltic OÜ
Registration number: 12570665
Owner address: Hapvali, Nõmme küla Haapsalu linn Lääne maakond 90439, Estonia

Date of the order: 03.07.2024.

Testing was done in conformity with contract No.: 124-10/23 MV

Test performed at: SIA Meža un koksnes produktu pētniecības un attīstības institūts, Krišjāņa Barona street 40A, LV-3001, Jelgava, Latvia.

1. Order content:

Table testing in accordance with Standards:

- EN 1730:2012 “Furniture - Tables - Test methods for the determination of stability, strength and durability”;

Following the requirements of Standard:

- EN 15372:2016, „Furniture – Strength, durability and safety – requirements for non-domestic tables”.

2. Information provided by customer about delivered test specimen:

- | | |
|----------------------------|---|
| - Test sample: | Table top. |
| - Name of the sample: | HM220 Bedside table w/height-adjustable flap, drawer, 2 doors and wheels. |
| - Type of the material: | In the manufacture of this product used high-pressure laminate is highly resistant to wear, scratches, and impacts. Glue and wooden dowels are used for the frame connection. The edge surfaces of the parts are covered with an edge band. The cabinet has a drawer that moves on drawer rails and an openable/foldable flap plate. On both sides of the cabinet are doors which are fixed with 2 hinges to the frame sides. The cabinet can be moved on wheels that are attached to the bottom plate with screws. |
| - Sample parameters: | General length 400.00 general width 510/650.00, general height 908.00
Weight 26.00 kg. |
| - Sample production date: | 06.06.2024. |
| - Sample production place: | Hapvali, Nõmme küla Haapsalu, Läänemaa 90439 Eesti. |
| - Sample manufacturer: | Helland Baltic OÜ. |
| - Date of sampling: | 28.06.2024. |
| - Sampling place: | Hapvali, Nõmme küla Haapsalu, Läänemaa 90439 Eesti. |
| - Sampling done by: | Helland Baltic OÜ. |

- Procedure of sampling: The sample is taken from the warehouse of ready production.
- Other information: Testing according to EN 15372, Test Severity 3.

3. Laboratory description of the specimen and test method:

- Test sample: Non domestic table.
- Laboratory number for sample: 9800-1.
- Test standard: EN 1730:2012.
- Test sample delivered: 05.07.2024.
- Test sample delivered by: Courier.
- Test sample test date: 22.07.2024.-23.08.2024.



Figure 1: Table top "HM220"



Figure 2: Table top "HM220"



Figure 3: Front view with open flap



Figure 4: Front view with closed flap

4. Description of the delivery condition of the unit:

- Test specimen delivered assembled. Good condition, no defects.
- The test specimen has been stored in indoor ambient conditions for at least 24 h immediately prior to testing.
- The tests are carried out in indoor ambient conditions at a temperature between 15 °C and 25 °C.

5. Test results:

Table 1

Requirements of EN 15372:2016	Test parameters accordingly to EN 1730:2012	Requirement fulfilled (+) Requirement not fulfilled (-)
1	2	3
5 Safety, stability, strength and durability, EN 15372:2016		
EN 15372:2016 (5.1) General - The table shall be designed so as to minimize the risk of injury to the user. All parts of the table with which the user comes into contact during intended use, shall be designed so that physical injury and damage are avoided. This requirement is met when: a) edges of table tops which are directly in contact with the user are rounded or chamfered; b) all other edges accessible during intended use are free from burrs and/or sharp edges;		a) + b) + c) Not applicable

Requirements of EN 15372:2016	Test parameters accordingly to EN 1730:2012	Requirement fulfilled (+) Requirement not fulfilled (-)
1	2	3
c) ends of hollow components with a diameter greater than 7 mm and less than 12 mm where the accessible depth is greater than 10 mm, are closed or capped. Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided. It shall not be possible for any load bearing part of the table to come loose unintentionally. All parts which are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.		
5.2 Shear and squeeze points, EN 15372:2016		
EN 15372:2016 (5.2.1) Shear and squeeze points when setting up and folding - Unless 5.2.2 or 5.2.3 are applicable, shear and squeeze points that are created only during setting up and folding are acceptable, because the user can be assumed to be in control of his/her movements and to be able to cease applying the force immediately upon experiencing pain. The edges of parts moving relative to each other and creating shear and squeeze points shall be as specified in 5.1.		+
EN 15372:2016, (5.2.2) Shear and squeeze points under influence of powered mechanisms - There shall be no shear and squeeze points created by parts of the table operated by powered mechanisms, i.e. springs, gas lifts and motorised systems.		+
EN 15372:2016, (5.2.3) Shear and squeeze points during use - There shall be no shear and squeeze points created by forces applied during normal use. The loads used for durability tests within Table 2 are considered representative of normal use. There shall be no shear and squeeze points if a hazard is created by the user during normal movements and actions.		+
5.4 Strength and durability, EN 15372:2016		
EN 15372:2016, (table 2.) Horizontal static load test - The strength and durability requirements are fulfilled when after testing in accordance with Table 2: a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) the table fulfils its functions; d) table fulfils the safety requirements contained in 5.1, 5.2 and 5.3.	EN 1730:2012, (6.2) Horizontal static load test: - load on the table top, 50 kg; - specified force, 400 N; - minimum specified force, 100 N; - cycles 10.	+
EN 15372:2016, (table 2.) Vertical static load Tests The strength and durability requirements are fulfilled when after testing in accordance with Table 2: a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) the table fulfils its functions; d) table fulfils the safety requirements contained in 5.1, 5.2 and 5.3.	EN 1730:2012, (6.3.1) Vertical static load tests: - force 1250 N; - cycles 10.	+
EN 15372:2016, (table 2.) Additional vertical static load test where the main surface has a length > 1 600 mm - The strength and durability requirements are fulfilled when after testing in accordance with Table 2: a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) the table fulfils its functions; d) table fulfils the safety requirements contained in 5.1, 5.2 and 5.3.	EN 1730:2012, (6.3.2) Additional vertical static load test where the main surface has a length > 1 600 mm: - force 1000 N; - cycles 10.	Not Applicable
EN 15372:2016, (table 2.) Vertical static load on ancillary surface The strength and durability requirements are fulfilled when after testing in accordance with Table 2: a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) the table fulfils its functions; d) table fulfils the safety requirements contained in 5.1, 5.2 and 5.3.	EN 1730:2012, (6.3.3) Vertical static load on ancillary surface: - force 200 N; - cycles 10.	+
EN 15372:2016, (table 2.) Horizontal durability test - The strength and durability requirements are fulfilled when after testing in accordance with Table 2:	EN 1730:2012, (6.4.1, 6.4.2) Horizontal durability test: - Load on the table top, 50 kg;	+

Requirements of EN 15372:2016	Test parameters accordingly to EN 1730:2012	Requirement fulfilled (+) Requirement not fulfilled (-)
1	2	3
a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) the table fulfils its functions; d) table fulfils the safety requirements contained in 5.1, 5.2 and 5.3.	- force 300 N; - cycles 20000.	
EN 15372:2016, (table 2.) Vertical durability test for cantilever and tables with central column only - The strength and durability requirements are fulfilled when after testing in accordance with Table 2: a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) the table fulfils its functions; d) table fulfils the safety requirements contained in 5.1, 5.2 and 5.3.	EN 1730:2012, (6.5) Vertical durability test: - force 300 N; - cycles 20000.	Not Applicable
EN 15372:2016, (table 2.) Vertical impact test for glass tabletops - The strength and durability requirements are fulfilled when after testing in accordance with Table 2: a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) the table fulfils its functions; d) table fulfils the safety requirements contained in 5.1, 5.2 and 5.3.	EN 1730:2012, (6.6.1, and 6.6.2) Vertical impact test: - drop height for safety glass 180 mm; - drop height for safety glass 240 mm; - cycles 10 N.	Not Applicable
EN 15372:2016, (table 2.) Vertical impact test for all other tabletops - The strength and durability requirements are fulfilled when after testing in accordance with Table 2: a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) the table fulfils its functions; d) table fulfils the safety requirements contained in 5.1, 5.2 and 5.3.	EN 1730:2012, (6.6.1, and 6.6.2) Vertical impact test: - drop height 180 mm; - cycles 10 N.	+
EN 15372:2016, (table 2.) Drop test – This test is applicable for tables weighing more than 20 kg only - The strength and durability requirements are fulfilled when after testing in accordance with Table 2: a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) the table fulfils its functions; d) table fulfils the safety requirements contained in 5.1, 5.2 and 5.3.	EN 1730:2012, (6.9) Drop test: - nominal drop height (tables without glass) 100 mm. - nominal drop height (tables with glass) 50 mm.	+
EN 15372:2016, (table 2.) Stability under vertical load - The table shall not overturn.	EN 1730:2012, (7.2) Stability under vertical load: - Main surface force V ₁ 200, V ₂ 400 N.	+
EN 15372:2016, (table 2.) Stability for tables with extension elements - The table shall not overturn.	EN 1730:2012, (7.3) Stability for tables with extension elements: - Force, 200 N.	+
6. Information for use, EN 15372:2016		
EN 15372:2016, (6) Information for use - Information for use shall be available in the language of the country in which it will be available to the end user. It shall contain at least the following details: a) information regarding the intended use, see Annex B; b) assembly instructions, where applicable; c) instructions for the maintenance of the table, if applicable.		+ (Evaluated in English)



Figure 5: Vertical static load on ancillary surface:
- force 200 N;
- cycles 10.



Figure 6: Horizontal durability test:
- Load on the table top, 50 kg;
- force 300 N;
- cycles 20000.



Figure 7: Vertical durability test:
- force 300 N;
- cycles 20000

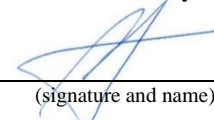
6. Testing laboratory comments

**Table top "HM220" fulfills strength, durability and safety requirements according to EN 15372:2016 „ Furniture – Strength, durability and safety – requirements for non-domestic tables”.
Test severity – 3 and type of Use – severe.**

Date of issue: 30.08.2024.

Prepared by
V.Jakovļevs
K.Kozlovskā

Reviewed by


(signature and name)

K.Būmanis

THIS DOCUMENT IS SIGNED BY SECURE ELECTRONIC SIGNATURE AND CONTAINS A TIME STAMP
(Signature validity can be checked: <https://www.eparaksts.lv/en>)

*The results refer only to these test objects. This test report may not be reproduced other than in full, excepted with the prior written approval of
Testing laboratory of the Forest and Wood Product Research and Development Institut*