

Furniture testing centre is accredited by Lithuanian National Accreditation Bureau for tests of furniture safety, furniture materials and determination of formaldehyde content  
Certificate No. LA.01.060

Page 1 (6)

## TEST REPORT No. BBC 21-216

12 05 2021

Vilnius

Determination of strength, durability and safety for  
*Table ALMA F*

Customer	DROMEAS SA
Address of customer	Industrial Area of Serres, 62121 Serres, Greece
Application for test	No. A 21-106-1, date 04 05 2021
Date of receive test object	04-05-2021
Manufacturer name	DROMEAS SA
Indication of normative document	EN 15372:2016, test severity 2, EN 1730:2012
Date of test	05 05 2021 (beginning) 12 05 2021 (end)

### Conclusion

*Table ALMA F* **complies** with the standard EN 15372:2016 (Furniture – Strength, durability and safety – Requirements for non-domestic tables) test severity 2 requirements.

### Test object

*Table ALMA F* with folding table top and four  $\varnothing$  65 mm H type castors. Two front castors have stop function. Table top is made of 25 mm thickness finished particle board. Supporting part and folding mechanism are metal. Legs are connected with four units of M8 bolts. End legs with stretchers made of (25x60) mm steel tubes, welded. The profile of the front legs is cast in metal. Thirty two units of M6 bolts are used for fixing table top and folding mechanism. The distance from the front of the table to the folding axis of the table top is 490 mm.

External dimensions of table are: length 1400 mm, width 700 mm, height 700 mm. Dimensions are for general information only.





Figure 1. Table ALMA F



**Normative documents and test methods**

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

EN 1730:2012 Domestic furniture – Tables – Tests methods for determination of strength, durability and stability.

Unless otherwise stated, the following tolerances are applicable:

- forces  $\pm 5\%$  of the nominal force;
- masses  $\pm 1\%$  of the nominal mass;
- dimensions  $\pm 1$  mm of the nominal dimension;
- velocities  $\pm 5\%$  of the nominal velocity;
- angles  $\pm 2^\circ$  of the nominal angle.

The accuracy for the positioning of loading pads  $\pm 5$  mm.

*Table ALMA F* was stored in the laboratory room before the tests were performing. The tests were carried out in normal indoor ambient conditions at the temperature of  $(20 \pm 5)^\circ\text{C}$ .

**Test apparatuses**

Apparatus 241 MP certificate No 22, apparatus 194 MP certificate No 27.

**Table 1.** *Table ALMA F* test results

Clause, Standard	Test and method	Requirements	Test results	Pass/Fail N/A or N/T*
<b>5 Safety, stability, strength and durability, EN 15372:2016</b>		<b>EN 15372:2016</b>		
<b>5.1 General requirements</b>				
5.1		The table shall be designed so as to minimize the risk of injury to the user. All parts of the table with 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 chambered, 5.1	no remarks	pass
	b) all other edges accessible during intended use	are free from burrs and/or sharp edges, 5.1	no remarks	pass
	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, 5.1	no remarks	pass
	Movable and adjustable parts	shall be designed so that injuries and inadvertent operation are avoided, 5.1	no remarks	pass
	Load bearing part of the table to come loose unintentionally	it shall not be possible, 5.1	no remarks	pass
	All parts that are lubricated to assist sliding	shall be designed to protect users from lubricant stains when in normal use, 5.1		N/A



Table 1. (continued)

Clause, Standard	Test and method	Requirements	Test results	Pass/Fail N/A or N/T*
<b>5.2 Shear and squeeze points</b>				
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	no remarks	pass
5.2.2	Shear and squeeze points under influence of powered mechanisms	shall be no shear and squeeze points created by parts of the furniture operated by powered mechanisms, 5.2.2	no remarks	pass
5.2.3	Shear and squeeze points during use	shall be no shear and squeeze points created by forces applied during normal use, 5.2.3	no remarks	pass
		shall be no shear and squeeze points if a hazard is created by the user during normal movement and actions, e.g. attempting to move the table, 5.2.3		
<b>5.3 Stability, EN 15372:2016, TABLE 1, Table 2, test severity 2</b>		<b>EN 15372:2016, 5.3</b>		
7.2.2 EN 1730:2012	10. Stability under vertical load, test for tables that are or can be set to a height ≤ 950 mm - main surface load of 350 N	the table shall not overturn, 5.3.1.2, 5.4.2	not overturns	pass
	- ancillary surface load			N/A
7.2.3 EN 1730:2012	10. Stability under vertical load, test for tables that are or can be set to a height > 950 mm - 50 % reduced load	the table shall not overturn, 5.3.1.3, 5.4.2		N/A
7.3 EN 1730:2012	11. Stability for tables with extension elements - test force of 200 N	the table shall not overturn, 5.3.2, 5.4.2		N/A
<b>5.4 Strength and durability, EN 15372:2016, Table 2, test severity 2</b>		<b>EN 15372:2016, 5.4.2</b>		
6.2 EN 1730:2012	1. Horizontal static load test, Type 1: - test force $F_{1-4}$ of 400 N; - specified mass of 50 kg; - 10 cycles	The 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) table fulfils its functions; d) table fulfils the safety requirements contained in 5.1, 5.2 and 5.3.	no remarks	pass



Table 1. (continued)

Clause, Standard	Test and method	Requirements	Test results	Pass/Fail N/A or N/T*
6.3.1 EN 1730:2012	2. Vertical static load on main surface - test force of 1250 N; - 10 cycles	The 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) table fulfils its functions; d) table fulfils the safety requirements contained in 5.1, 5.2 and 5.3.	no remarks	pass
6.3.2 EN 1730:2012	3. Additional vertical static load test where the main surface has a length > 1 600 mm - test force of 1000 N; - 10 cycles			N/A
6.3.3 EN 1730:2012	4. Vertical static load on ancillary surface - test force of 300 N; - 10 cycles			N/A
6.4.1 and 6.4.2 EN 1730:2012	5. Horizontal durability test - test force $F_{a-d}$ of 300 N; - specified mass of 50 kg; - 15 000 cycles		no remarks	pass
6.5 EN 1730:2012	6. Vertical durability test for cantilever and tables with central column only - test force of 300 N; - 15 000 cycles		no remarks	pass
6.6.1 and 6.6.2 EN 1730:2012	7. Vertical impact test for glass tabletops Safety glass: - drop height of 180 mm; Other glass: - drop height of 240 mm; - 10 cycles			N/A
6.6.1 and 6.6.3 EN 1730:2012	8. Vertical impact test for all other tabletops - drop height of 180 mm; - 10 cycles		no remarks	pass
6.9 EN 1730:2012	9. Drop test – This test is applicable for tables weighing more than 20 kg only Tables without glass: - nominal drop height of 100 mm; Tables with glass: - nominal drop height of 50 mm		no remarks	pass



Table 1. (end)

Clause, Standard	Test and method	Requirements	Test results	Pass/Fail N/A or N/T*
<b>6 Information for use</b>		<b>EN 15372:2016, 6</b>		
6	Information for use	shall be available in the language of the country in which it will be delivered to the end user	Information for use was not provided	N/T
	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.				
Remarks, comments				

\*N/A - not applicable for this product design, N/T - not tested

Head of furniture testing center



Manvydas Mickus

Tests were carried by the engineer

Laimonas Staškūnas

The test results is relate only to the tested items.

This test report shall not be reproduced except in full, without approval of the furniture testing centre.