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Certificate No. LA.01.060

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TEST REPORT No. BBC 20-276

08 10 2020

Vilnius

Determination of strength, durability and safety for
Table ALMA K

Customer	DROMEAS SA
Address of customer	Industrial Area of Serres, 62121 Serres, Greece
Application for test	No. A 20-133-1, date 30 09 2020
Date of receive test object	30 09 2020
Manufacturer name	DROMEAS SA
Indication of normative document	EN 15372:2016, test severity 2, EN 1730:2012
Date of test	01 10 2020 (beginning) 08 10 2020 (end)

Conclusion

Table ALMA K **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 K with height selectable function, with table top sliding forward and backwards. Table top is made of 18 mm thickness finished particle board. Vertical part of legs is made of (90x50) mm and (80x40) mm steel tubes. Bottom part of legs is made of 70 mm length and 65 mm width metal and there are helical adjustment supports fixed at the bottom. Lengthwise connectors of legs are made of (40x20) mm steel tubes. Height of table is adjusted with lifts fixed in vertical part of legs.

External dimensions of table are: length 2000 mm, width 900 mm, minimum height is 650 mm, maximum height – 850 mm. Dimensions are for general information only.





Figure 1. Table ALMA K

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 ± 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 ± 5 mm.



Table ALMA K 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 K test results

Clause, Standard	Test and method	Requirements	Test results	Pass/Fail N/A or N/T*
5 Safety, stability, strength and durability, EN 15372:2016		EN 15372:2016		
5.1 General requirements				
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
5.2 Shear and squeeze points				
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



Table 1. (continued)

Clause, Standard	Test and method	Requirements	Test results	Pass/Fail N/A or N/T*
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		
5.3 Stability, EN 15372:2016, TABLE 1, Table 2, test severity 2		EN 15372:2016, 5.3		
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 400 N - ancillary surface load	the table shall not overturn, 5.3.1.2, 5.4.2	no remarks	pass 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
5.4 Strength and durability, EN 15372:2016, Table 2, test severity 2		EN 15372:2016, 5.4.2		
6.2 EN 1730:2012	1. Horizontal static load test, Type 1: - test force F_{1-4} of 400 N; Type 2: - test force F_{1-4} - minimum force of 100 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
6.3.1 EN 1730:2012	2. Vertical static load on main surface - test force of 1250 N; - 10 cycles		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		no remarks	pass
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



Table 1. (end)

Clause, Standard	Test and method	Requirements	Test results	Pass/Fail N/A or N/T*
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	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
6.6.1 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 drop height of 79 mm	pass
6 Information for use		EN 15372:2016, 6		
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.

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