

**Product** Alku wooden leg ID428033

**Test requested by** Martela Oyj, Takkatie 1, FI-00371, Helsinki

**Test specimen**

Table top	2300x90 mm
Top material	22 mm chipboard
Frame	Steel
Leg	Wood (Oak)



**Test method** Determination of strength, durability and safety of non-domestic table presented in the standard EN 15372: 2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables. Selected type on usage was level 2.

Tests were carried out according to the standards below. Detailed test program with results is presented in pages 2-4.

**EN 15372:2008** Furniture. Strength, durability and safety. Requirements for non-domestic tables.

The test specimen was selected by Martela and arrived at Testing laboratory July 24, 2018. Tests were carried out June 1 – October 14, 2018 in temperature 22°C ± 2°C.

#### Assessment of results

**Alku Wooden leg (ID 428033)** with 2300x900 mm top meets the strength, durability and safety requirements of a non-domestic tables presented in the standards EN 15372:2008.

The test result is only valid to the specimen tested and no other.

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#### Martela Testing laboratory

Nummela, December 27, 2018

approved by:

A handwritten signature in blue ink, reading "Juho Laine".

Juho Laine  
Product development Manager

tested by:

A handwritten signature in blue ink, reading "Jarno Forsman".

Jarno Forsman  
Laboratory Engineer

Ref. Test report No.1654

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**Table1.** EN527-1:2011 Office furniture - Work tables and desks - Part 1: Dimensions

<b>EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables</b>		<b>RESULTS</b>
<b>5 Safety requirements</b>		
(5.1) General	Edges of table tops which are directly in contact with the user are rounded or chamfered, and all other edges accessible during intended use are free from burrs and/or sharp edges.	OK
	Ends of hollow components are closed or capped.	N/A
	Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided.	N/A
	It shall not be possible for any load bearing part of the table to come loose unintentionally.	OK
	All parts which are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.	N/A
(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.  The edges of parts moving relative to each other and creating shear and squeeze points shall be as specified in 5.1.	OK
(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 motorized systems.	N/A
(5.2.3) Shear and squeeze points during use	There shall be no shear and squeeze points created by forces applied during normal use. There shall be no shear and squeeze points if a hazard is created by the user during normal movements and actions, e.g. attempting to move the table.	OK
<b>5.3 Stability</b>		
(5.3.1.1) General	Tables that can be set to heights both above and below 950 mm shall be tested to both 5.3.1.2 and 5.3.1.3.	
(5.3.1.2) Test for tables that are or can be set to a height of 950 mm or less	The table shall be set to the height most likely to overturn the table, but not more than 950 mm. The table shall not overturn when tested according to Clause 6.7 of EN 1730:2000 using the forces specified within Table 2.	OK
(5.3.1.3) Test for tables that are or can be set to a height greater than 950 mm	The table shall be set to the height most likely to cause overturning, but not less than 950 mm. The table shall not overturn when tested according to Clause 6.7 of EN 1730:2000 using 50 % of the specified forces.	N/A
(5.3.2) Stability for tables with extension elements	The table shall not overturn when the vertical force specified is applied to the centre of the front of the table, through a loading pad.	N/A

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<b>EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables</b>					
<b>Test</b>	<b>Loading</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>RESULTS</b>
<b>1. Stability under vertical load</b> EN 1730:2000: 6.7	Test force, N Main surface V <sub>1</sub> V <sub>2</sub> Ancillary surface V <sub>1</sub> V <sub>2</sub>	<del>200</del> 400 <del>100</del> <del>200</del>	200 400 100 200	<del>200</del> 400 <del>100</del> <del>200</del>	OK
<b>2. Stability for tables with extension elements</b> 5.3.2.	Test force, N	<del>200</del>	200	<del>200</del>	N/A
<b>3. Horizontal static load</b> EN 1730:2000: 6.2	Test force, N: High (more then 600) Low (600 or less) 10 times	<del>400</del> <del>200</del>	400 200	<del>600</del> <del>300</del>	OK
<b>4. Vertical static load</b> EN 1730:2000: 6.3	Test force, N: a) main surface b) ancillary surface 10 times	<del>1000</del> <del>200</del>	1250 300	<del>1250</del> <del>300</del>	OK
<b>5. Horizontal fatigue</b> EN 1730:2000: 6.4	Number of cycles: Test force 300N	<del>10 000</del>	15 000	<del>20 000</del>	OK
<b>6. Vertical fatigue for cantilever of pedestal tables</b> EN 1730:2000: 6.5	Number of cycles: Test force 300N	<del>10 000</del>	15 000	<del>20 000</del>	OK
<b>7. Vertical impact for tables without glass in their construction</b> EN 1730:2000: 6.6	Drop height, mm: 10 times	<del>180</del>	180	<del>240</del>	OK
<b>8. Vertical impact for tables with glass in their construction load</b> EN 1730:2000: 6.6  EN 14072:2003: 6 <sup>2</sup> )	Drop height, mm: 10 times				
	Safety class <sup>1)</sup>	<del>180</del>	180	<del>240</del>	N/A
	Other class	<del>240</del>	240	<del>300</del>	N/A
<b>9. Drop test for tables weighting more than 20 kg</b> Annex A	Nominal drop height mm – tables without glass	<del>100</del>	100	<del>100</del>	OK
	Nominal drop height mm – tables with glass	<del>50</del>	50	<del>50</del>	N/A
<b>DEFECTS AND OBSERVATIONS AFTER TEST PROCEDURE</b>	No defects after tests				

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<b>EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables</b>			
<b>Requirements</b>		<b>Record</b>	<b>Result</b>
<b>(6.2) Strength and durability requirements</b>	<ol style="list-style-type: none"><li>1) there are no fractures of any member, joint or component,</li><li>2) there are no loosening of joints intended to be rigid,</li><li>3) table fulfils its functions after removal of the test loads</li><li>4) table fulfils the stability requirements</li></ol>	Record whether the requirements are filled	OK

End of report

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