



Interia Prosjekt AS  
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Appendices 4  
Initials laha/prni/hbs

## Test Report

Material: Model: Lavvo

Type:	Play house				
Length:	1195 mm	Width:	1195 mm	Height:	1740 mm
Materials:	18,7 mm laminated wood				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 19-06-2015.

**EN 71-1:2005 + A9:2009\*** Safety of toys – Part 1: Mechanical and physical properties. \* Not accredited testing

**EN 716-1:2009 + A1:2013**, clause 4.4.2.1

**EN 15372:2008** Furniture – Strength, durability and safety – Requirements for non-domestic tables. **Test level 2: General use:** General hotel, café, restaurant, public hall, banks, bars, meeting rooms.

Temperature in laboratory: 26,5°.

Period: The testing was carried out from 22-06-2015 to 31-08-2015.

Result: Model Lavvo fulfils the requirements in EN 71-1:2005 + A9:2009, EN 716-1:2009 + A1:2013 and EN 15372:2008, the above clauses.

Individual results appear from Appendices 1, 2 and 3.

Storage: The test material will be destroyed after 1 month, unless otherwise agreed.

Terms: The test was performed according to the attached conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

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31-08-2015, Danish Technological Institute, Wood Technology, Taastrup

Test responsible

Verifier

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## Test of Model: Lavvo

### EN 71-1:2005 + A9:2009

#### 4.15.3 Rocking horses and similar toys (see A.21)

		Result
a)	The bow rocker of any bow-mounted rocking horse or other rocking toy shall have a limit to its movement which shall at all times hold the user within the extreme of the bow. Compliance is checked by visual inspection.	N/A
b)	The toy shall not tip over when tested according to 8.23.1 (stability, toys intended to bear the mass of a child)	Passed
c)	Toys shall not <i>collapse</i> so that they do not continue to conform to relevant requirements of this European Standard when tested according to 8.21 (static strength)	Passed
d)	Toys that due to their construction, strength, design or other factors are not suitable for use by children of 36 months and over shall carry a warning (see 7.16)	N/A
e)	A7. Toys where the intended sitting surface is 600 mm or more above the ground, shall carry a warning (see 7.19)	N/A

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## Test of Model: Lavvo

### EN 716-1:2009 + A1:2013

		<b>Result</b>
4.4.2.1	General With the exception of the holes and openings specified in A1, 4.4.2.2, 4.4.2.3, 4.4.2.4, 4.4.2.5, 4.4.2.6, 4.4.4.2 and 4.4.4.3 all other accessible holes, gaps and openings shall be less than 7 mm, between 12 mm and 25 mm , or between 45 mm and 65 mm when tested in accordance with A1. 5.4.1 of EN 716-2:2008+A1:2013.	Passed

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## Test of Model: Lavvo

### EN 15372:2008 Stability, strength and durability tests

Test	Test Method	Cycles	2	Result
Stability under vertical load	EN 1730:2000, 6.7	Test force, N Main surface V <sub>1</sub> V <sub>2</sub> Anc. surface V <sub>1</sub> V <sub>2</sub>	200 400 100 200	Passed
Stability for tables with extension elements	5.3.2	Test force, N	200	N/A
Horizontal static load	EN 1730:2000, 6.2	Test force, N: High (>600) Low (600 or less) 10 times	400 200	Passed
Vertical static load	EN 1730:2000, 6.3	Test force, N: a) Main surface b) Anc. surface 10 times	1250 300	Passed
Horizontal fatigue	EN 1730:2000, 6.4	No. cycles: Test force 300 N	15.000	Passed
Vertical fatigue for cantilever or pedestal tables	EN 1730:2000, 6.5	No. cycles: Test force 300 N	15.000	N/A
Vertical impact for tables without glass in their construction	EN 1730:2000, 6.6	Drop height, mm: 10 times	180	Passed
Vertical impact for tables with glass in their construction	EN 1730:2000, 6.6 EN 14072:2003, 6 <sup>2</sup>	Drop height, mm: Safety glass <sup>1)</sup> Other glass	180 240	N/A
Drop test for tables weighing more than 20 kg	Annex A	Nom. drop height mm – tables without glass Nom. drop height mm – tables with glass	100 50	Passed

<sup>1</sup> Glass is considered to be safety glass, if the glass fulfils the requirements in EN 12150-1:2000, Clause 8, fragmentation test; or where the mode of breakage ( $\beta$ ) according to EN 12600 is Type B or Type C

<sup>2</sup> Impact for the table top in accordance with the positions defined within EN 1730:2000, 6.6

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## Test of Model: Lavvo

### Photo



The general conditions pertaining to assignments accepted by Danish Technological Institute shall apply in full to the technical testing and calibration at Danish Technological Institute and to the completion of test reports and calibration certificates within the relevant field.

### **Danish Accreditation (DANAK)**

DANAK was established in 1991 in pursuance of the Danish Act No. 394 of 13 June 1990 on the promotion of Trade and Industry.

The requirements to be met by accredited laboratories are laid down in the "Danish Agency for Trade and Industry's ("Erhvervsfremme Styrelsens") Statutory Order on accreditation of laboratories to perform testing etc. and GLP inspection. The statutory order refers to other documents, where the criteria for accreditation are specified further.

The standards DS/EN ISO/IEC 17025 "General requirements for the competence of testing and calibration laboratories" and DS/EN 45002 "General criteria for the assessment of testing laboratories" describe fundamental criteria for accreditation. DANAK uses guidance documents to clarify the requirements in the standards, where this is considered to be necessary. These will mainly be drawn up by the "European co-operation of Accreditation (EA)" or the "International Laboratory Accreditation Co-operation (ILAC)" with the purpose of obtaining uniform criteria for accreditation. In addition, DANAK draws up Technical Regulations with specific requirements for accreditation that are not contained in the standards.

In order for a laboratory to be accredited it is, among other things, required:

- that the laboratory and its personnel are not subject to any commercial, financial or other pressures, which might influence their technical judgement

- that the laboratory operates a documented quality system
- that the laboratory has at its disposal all items of equipment, facilities and premises required for correct performance of the service that it is accredited to perform
- that the laboratory management and personnel have technical competence and practical experience in performing the service that they are accredited to perform
- that the laboratory has procedures for traceability and uncertainty calculations
- that accredited testing or calibration is performed in accordance with fully validated and documented methods
- that the laboratory keeps records, which contain sufficient information to permit repetition of the accredited test or calibration
- that the laboratory is subject to surveillance by DANAK on a regular basis
- that the laboratory shall take out an insurance, which covers liability in connection with the performance of accredited services

Reports carrying DANAK's logo are used, when reporting accredited services and show that these have been performed in accordance with the rules for accreditation.