



Oliver Furniture Denmark  
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## Test Report

Material: Model: Cradle 021410

Type:	Cradle			Lab.no.:	511469-1
Length:	865 mm	Width:	565 mm	Height:	720 mm
Weight:	11,75 kg				
Materials:	MDF				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 04-03-2013.

Method: EN 1130:1996 parts 1 and 2. Cribs and cradles for domestic use.

Period: The testing was carried out from 05-03-2013 to 02-05-2013.

Result: Model Cradle 02410 fulfils the requirements in EN 1130:1996 parts 1 and 2. Individual results appear from Appendix 1.

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

Terms: The test has been 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.

Software: This report was generated by software version 2.10 of 2011-03-07.

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06-06-2013, Danish Technological Institute, Wood Technology, Taastrup

Test responsible

Co-reader

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<b>3. Definitions</b>	<b>Result</b>
<p><b>3.1 Crib/Cradle</b> Cribs/cradles are pieces of furniture used to lay infants in until these are able to sit, kneel or to pull themselves up. The internal length of the bed base is maximum 900 mm. Cribs/cradles may consist of a body and a frame, in which case they may be balanced. The body of swinging, balancing or rocking cribs/cradles cannot be used without their frame.</p>	
<p><b>3.2 Access zones</b> Access zones specify the case, intensity and frequency of access to parts of a product, taking the indented use into consideration.</p>	
<p><b>3.3 Access zone 1</b> Consists of the space around the crib/cradle to which an infant sitting on the mattress can get access.</p>	
<p><b>3.4 Access zone 2</b> Consists of the space not covered by access zone 1</p>	
<p><b>4. Safety requirements</b></p>	
<p><b>4.1 Materials</b></p>	
<p><b>4.1.1 Wood and Wood-Based Materials</b> Wood, wood-based materials and materials of vegetable origin shall be free from decay and insect attack.</p>	Passed
<p><b>4.1.2 Materials and surfaces</b> The manufacturer/importer/retailer shall provide verification that materials and surfaces in access zone 1 fulfil the requirements in accordance with EN 71-3 Migration of certain elements</p>	Report 37577 DTI Lab for Chemistry and Microbiology Passed
<p><b>4.1.3</b> Metal in access zone 1 shall either be made of corrosion-resistance materials or be protected against corrosion.</p>	N/A
<p><b>4.2 Construction</b></p>	
<p><b>4.2.1</b> Exposed edges and protruding parts shall be chamfered and free of burrs or sharp edges. No open-ended tubes. Protruding parts are not permitted in access zone 1</p>	Passed
<p><b>4.2.2</b> Any hole in access zone 1 into which a 5 mm plug gauge can pass shall not exceed 10 mm in depth, unless the hole satisfies the requirements of 4.4.2 and 4.4.5. For assembly holes, a 7 mm plug gauge shall not pass when tested in accordance with 5.3.2 of EN 1130-2:1996 For assembly holes – according to 5.3.2 of EN 1130-2</p>	Passed
<p><b>4.2.3</b> Connecting screws for direct fastening, e.g. self-tapping screws shall not be</p>	Passed

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used for the assembly.		
<b>4.2.4</b> Castors/wheels shall not be fitted except in the following arrangement, either:		N/A
a)	Two lockable castors/wheels and two legs	
b)	Four lockable castors/wheels	
The locks tested in accordance with 5.11 of EN 1130-2		
<b>4.2.5</b> The balancing system on cribs/cradles shall be fitted with a locking mechanism tested in accordance with 5.10 of EN 1130-2, the locking mechanism shall have a residual force of at least 50 N for operating and shall remain functional. The balancing system shall not be powered by any electrical source or by any mechanism to swing or rock the crib/cradle other than by being directly pushed or pulled by hand.		Passed
<b>4.2.6</b> The mechanism used for controlling any dropside shall engage automatically when the dropside is raised, and shall consist of:		N/A
a)	A system that requires at least two separate but simultaneous actions operating on different principles; or	
b)	A system that requires at least two consecutive principles, the operation of the second being dependent on the first having been carried out: or	
c)	Locking mechanisms so constructed that the residual force for operating them is at least 50 N when tested in accordance with 5.10 of EN 1130-2	
<b>4.2.7</b> If the bed base is adjustable, it shall not be possible to adjust it from a higher position to a lower position without the use of a tool		N/A
<b>4.2.8</b> When tested acc. to 5.4 of EN 1130-2, any parts that can be detached shall not fit wholly within the cylinder.		Passed
<b>4.2.9</b> The distance between the frame and the body of the swinging cribs/cradles shall be at least be 25 mm.		N/A
<b>4.3 Bed Base</b> <b>4.3.1</b> When tested in accordance with 5.3.2 of EN 1130-2, it shall not be possible for the 25 mm cone to pass through the aperture between the bed base and the side, between the bed base and the ends, and through the openings in the bed base.		Passed

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<b>3. Definitions</b>	<b>Result</b>
<p><b>4.3.2</b> When tested in accordance with 5.5 of EN 1130-2, no element of the bed base shall break nor any structural damage must take place.</p>	Passed
<p><b>4.4 Sides and Ends</b> <b>4.4.1</b> The internal height of the sides and ends of fixed cribs/cradles shall be at least 275 mm when tested in accordance with 5.3.1 and 5.8 of EN 1130-2.</p>	Passed
<p><b>4.4.2</b> The effective diameter of holes and the distance between two structural members of sides and ends with the exception of guide rod and bed post shall be 60 +5/-15 mm, when tested in accordance with 5.3.2 of EN 1130-2.</p>	Passed
<p><b>4.4.3</b> When the sides are made of mesh, it shall not be possible for the 5 mm cone to pass through the holes of the mesh according to 5.3.2 of EN 1130-2.</p>	N/A
<p><b>4.4.4</b> Cribs/cradles, the body of which can swing shall be so constructed that the child cannot be injured due to the swinging.</p>	Passed
<p><b>4.4.5</b> The distance between the droppside guide rod and crib/cradle post shall be between 0 mm and 5 mm or between 12 mm and 25 mm.</p>	N/A
<p><b>4.4.6</b> When tested in accordance with 5.6 and 5.7 of EN 1130-2 the structural members shall not be damaged or detached and shall continue to function normally.</p>	Passed
<p><b>4.4.7</b> When tested in accordance with 5.8 of EN 1130-2, no fracture or deformation, or any other damage, shall occur.</p>	Passed
<p><b>4.5 Stability</b> When tested in accordance with 5.9 of EN 1130-2, balancing cribs/cradles shall not overturn</p>	Passed
<p><b>5. Packaging</b> Any plastic covering used as packaging for cribs/cradles or mattresses, if applicable, that does not fulfil the requirements of EN 71-1, shall be conspicuously marked with the following warning: “To avoid danger of suffocation, remove this plastic cover before using this article. This cover should then be destroyed or kept away from babies and children”</p>	N/A

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<b>3. Definitions</b>		<b>Result</b>
<b>6. Instruction for Use</b> Instructions shall be provided in the official language(s) of the country where the crib/criadle is sold. These instructions shall be headed "Important. Retain for future references. Read carefully" These instructions shall include the following:		
a)	A statement that the crib/criadle should be place on a horizontal floor;	Passed
b)	A statement that young children should not be allowed to play unsupervised in the vicinity of a crib/criadle;	Passed
d)	An assembly drawing, list and description of all parts and tools required for assembly and a diagram of the bolts and other fastening required;	Passed
e)	A warning notice not to use the crib/criadle if any part is broken, torn or missing;	Passed
f)	The phrase: <i>"When a child is able to sit, kneel or to pull itself up, the crib/criadle should not be used anymore for this child",</i>	Passed
g)	A statement that all assembly fittings should always be tightened properly and that care should be taken that no screws are loose, because a child could trap parts of the body or clothing (e.g. strings, necklaces, ribbons for babies' dummies, etc.) which would pose a risk of strangulation;	Passed
h)	A statement not to use the body of a cradle without its frame;	Passed
i)	A statement that the thickness of the mattress chosen shall be such that the internal vertical height (surface of the top of the mattress to the upper edge of the bed sides) is at least 200 mm in the highest position of the bed base;	Passed
j)	A recommendation concerning the size of the mattress when not sold with the crib/criadle;	Passed
k)	A warning notice to be aware of the risk of open fires and other sources of strong heat, such as electric bar fires, gas fires, etc. in the near vicinity of the crib/criadles.	Passed
<b>7. Marking</b> All cribs/criadles for which a claim for conformity to this standard is made shall be permanently marked with the following information:		
a)	The name, registered trade name or registered trade mark of either the manufacturer or distributor of retailer together with additional means of identifying the product;	Passed
b)	A line or other marking on the crib/criadle side, at least 200 mm below its top, indicating the maximum height or thickness of the mattress;	Passed
c)	The warning notice: <i>"Do not use when the child can sit or kneel or pull itself up",</i>	Passed
d)	The number and date of this European Standard.	Passed

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**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.