



Lanab Design Aktiebolag
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Initials laha/prni/hbs

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Test Report

Material: Model: LD6340/LD6240

Type:	Office work chair			Lab.no.:	515628-2
Depth:	650 mm	Width:	710 mm	Height:	1345 mm
Weight:	18,8 kg				
Materials:	Metal, plastic, upholstery				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 22-02-2013.

Method: EN 1335-1:2000 Office furniture - Office work chair - Part 1: Dimensions - Determination of dimensions. Requirements for type A according to Annex A.

EN 1335-2:2009 Office furniture - Office work chair - Part 2: Safety requirements and EN 1335-3:2009 Office furniture - Office work chair - Part : Test methods.

Period: The testing was carried out from 25-02-2013 to 27-05-2013.

Result: Model LD6340/LD6240 fulfils the requirements in EN 1335-1:2000, EN 1335-2:2009 and EN 1335-3:2009.

Individual results appear from Appendices 1 and 2.

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.

27-05-2013, Danish Technological Institute, Wood Technology, Taastrup
Revised 10-06-2013. This report replaces all previous for this sample

Test responsible

Co-reader

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**Test of model: LD6340/LD6240
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Requirements for type A according to Annex A.

Test	Requirements	Measured	Result
6.1 Seat height	Min. 400 mm or less Max. 510 mm or more Adjustment range min. 120 mm	Min. 394 mm Max. 510 mm Range 116 mm	Passed
6.2 Seat depth	Min. 400 mm or less Max. 420 mm or more Adjustment range min. 50 mm	Min. 400 mm Max. 600 mm Range 200 mm	Passed
6.3 Depth of seat surface	Min. 380 mm	452 mm	Passed
6.4 Seat width	Min. 400 mm	474 mm	Passed
6.5 Inclination of seat surface	Min. -2° or less Max. -7° mm or more Adjustment range min. 6°	Min. 4° Max. -11° Range 15°	Passed
6.6 Height of the back supporting point "S" above the seat surface	Min. 170 mm or less Max. 220 mm or more Adjustment range min. 50 mm	Min. 151 mm Max. 220 mm Range. 69 mm	Passed
6.7 Height of the back pad	Min. 220 mm	519 mm	Passed
6.8 Height of the upper edge of the back rest above the seat surface	Min. 360 mm	Min. 581 mm Max. 666 mm	Passed
6.9 Back rest width	Min. 360 mm	450 mm	Passed
6.10 Horizontal radius of the back rest	Min. 400 mm	500 mm	Passed
6.11 Back rest inclination adjustment range	Adjustment range min. 15°	37°	Passed
6.12 Length of arm rest	Min. 200 mm	235 mm	Passed
6.13 Width of arm rest	Min. 40 mm	111 mm	Passed
6.14 Height of arm rest above the seat	Min. 200 mm or less Max. 250 mm or more	Min. 196 mm Max. 296 mm	Passed
6.15 Distance from the front of the armrests to the front edge of the seat surface	Min. 100 mm	Min. 115 mm Max. 155 mm	Passed
6.16 Clear width between the arm rests	Min. 460 mm Max. 510 mm	Min. 456 mm Max. 515 mm	Passed
6.17 Maximum offset of the underframe	Max. 365 mm or 415 mm if swivel castors are fitted.	378 mm	Passed
6.18 Stability dimension	Min. 195 mm	246 mm	Passed

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Clause in EN 1335-2:2009		Result	
4.1	General design requirements	Passed	
	Test		Result
	4.1.1 Corners and edges, trapping, pinching and shearing		Passed
	4.1.2 Adjusting devices		Passed
	4.1.3 Connections		Passed
	4.1.4 Avoidance of soiling	Passed	
4.5	Strength and durability	Passed	
	Test		Result
	EN 1335-3:2009 7.2.1 Seat front edge static load test		Passed
	EN 1335-3:2009 7.2.2 Combined seat and back rest static load		Passed
	EN 1335-3:2009 7.3.1 Seat and back durability		Passed
	EN 1335-3:2009 7.2.6 Foot rest static load test		Passed
	EN 1335-3:2009 7.3.2 Arm rest durability		Passed
	EN 1335-3:2009 7.2.3 Arm rest downward static load test - central - Functional load		Passed
	EN 1335-3:2009 7.2.3 Arm rest downward static load test - central - Overload	Passed	
4.3	Stability during use	Passed	
	Test		Result
	EN 1335-3:2009 7.1.1 Front edge overbalancing		Passed
	EN 1335-3:2009 7.1.2 Forwards overbalancing		Passed
	EN 1335-3:2009 7.1.3 Forwards overbalancing for chairs with footrest		N/A
	EN 1335-3:2009 7.1.5 Sideways overbalancing for chairs with arm rests		Passed
	EN 1335-3:2009 7.1.7 Rearwards overturning for chairs with adjustable back rest inclination	Passed	
4.4	Rolling resistance for the unloaded chair	Passed	
	Test		Result
	The castors are of identical construction		Passed
	EN 1335-3:2009 7.4 Rolling resistance. Req.: min. 12 N	26 N	
5	Information for use	Passed	
-	Functional tests	Passed	
	Test		Result
	EN 1335-3:2009 7.2.4 Arm rest downward static load test - front		Passed
	EN 1335-3:2009 7.2.5 Arm rest sideways static load test		Passed
	EN 1335-3:2009 7.3.3 Swivel test		Passed
	EN 1335-3:2009 7.3.4 Foot rest durability		N/A
	EN 1335-3:2009 7.3.5 Castor and chair base durability	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.