



DANISH  
TECHNOLOGICAL  
INSTITUTE

Four Design A/S  
Faaborgvej 14  
DK-5854 Gislev

Order no. 645296-11-1  
Page 1 of 1  
Appendices 2  
Initials laha/prni/hbs

Gregersensvej  
DK-2630 Taastrup  
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info@teknologisk.dk  
www.teknologisk.dk

## Test Report

Material: Model: Four Cast 2 Line

Type:	Chair				
Length:	550 mm	Width:	523 mm	Height:	851 mm
Weight:	6,5 kg				
Materials:	Plastic shell Frame: Ø 11 mm metal rod				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 16-06-2015.

Method: ANSI/BIFMA X5.1-2011 American National Standard For Office Furnishings - **General Purpose Office Chairs - Tests**

Period: The testing was carried out from 16-06-2015 to 23-07-2015.

Result: Model Four Cast 2 Line fulfils the requirements of ANSI/BIFMA X5.1-2011  
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

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23-07-2015, Danish Technological Institute, Wood Technology, Taastrup

Lars Hansen  
Test responsible

Per A. Nielsen  
Co-reader

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## Test of model: Four Cast 2 Line

### ANSI/BIFMA X5.1-2011 – Type III

Test		Result
6.	Backrest strength test - static	Passed
7.	Base test - static	N/A
8.	Drop test – dynamic	Passed
9.	Swivel test - cyclic	N/A
10.	Tilt mechanism test - cyclic	N/A
11.	Seating durability test - cyclic	Passed
12.	Stability tests	Passed
13.	Arm strength test – vertical - static	N/A
14.	Arm strength test – horizontal - static	N/A
16.	Backrest durability test – cyclic	Passed
17.	Caster/chair base durability test - cyclic	N/A
18.	Let strength test – front and side application	Passed
19.	Footrest static load test - vertical	N/A
20.	Footrest durability test – vertical - cyclic	N/A
21.	Arm durability test - cyclic	N/A
22.	Out stop test for chairs with manually adjustable seat depth	N/A
23.	Tablet arm chair static load test	N/A
24.	Tablet arm chair load ease test - cyclic	N/A

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Appendix 2

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## Test of model: Four Cast 2 Line

### 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.



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## Test Report

Material: Model: Four Cast 2 Line with armrests

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Weight:	6,5 kg				
Materials:	Plastic shell Frame: Ø 11 mm metal rod				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 16-06-2015.

Method: ANSI/BIFMA X5.1-2011 American National Standard For Office Furnishings - **General Purpose Office Chairs - Tests**

Period: The testing was carried out from 16-06-2015 to 23-07-2015.

Result: Model Four Cast 2 Line with armrests fulfils the requirements of ANSI/BIFMA X5.1-2011

Individual results appear from Appendix 1.

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

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