

Test Report

Report Number:
969662-5



**DANISH
TECHNOLOGICAL
INSTITUTE**

Gregersensvej 1
DK-2630 Taastrup
+45 72 20 20 00
info@teknologisk.dk
www.teknologisk.dk

Page 1 of 3
Init.: JHA/JNAS
Order no.: 969662
Encl.: 2

Assignor: Kvist Industries A/S, Siggårdsvej 2, DK-6818 Årre

Item : **T16 Cross Bar Chair 75 cm** - The test also covers T16 Cross Bar Chair 65 cm.

Sampling: The assignor confirms having selected the product. The product was forwarded by the assignor and received at Danish Technological Institute on 6 July 2021.

Period: The test took place from 1 July 2021 to 31 August 2021.

Method: EN 16139:2013, Furniture - Strength, durability and safety - Requirements for non domestic seating
EN 16139 Test severity L1: General use: E.g. in office buildings, showrooms, public halls, function rooms, cafés, restaurants, canteens, banks, bars.
Additional information is given in enclosure B.

Test results: **Passed.**
The results are shown in enclosure A.

Terms: This test was conducted accredited in accordance with international requirements (ISO/IEC 17025:2017) and in accordance with the General Terms and Conditions of Danish Technological Institute. The test results solely apply to the tested item. This test report may be quoted in extract only if Danish Technological Institute has granted its written consent.

Place: Danish Technological Institute, Taastrup, Building and Construction

Signature: This document is only valid with a digital signature from Danish Technological Institute.
Date of issue 1 September 2021.
Jan Hansen
Technical consultant



DIGITALLY SIGNED DOCUMENT

2 September 2021

DANISH TECHNOLOGICAL INSTITUTE



DANAK

TEST Reg.no. 2



Test of Model: T16 Cross Bar Chair 75 cm

Loading according to test severity L1.

Test no.	Test	Test Method	Cycles	Load	Result
4.1	General	EN 16139, 4.1			Passed
4.2.2	Shear and squeeze points under influence of powered mechanisms	EN 16139, 4.2.2			N/A
4.2.3	Shear and squeeze points during use	EN 16139, 4.2.3			Passed
4.3.2	Swivelling chairs	EN 1335			N/A
4.3.3	Non swivelling chairs	EN 1022			Passed
4.4	Rolling resistance of the unloaded chair	EN 16139, 4.4			N/A
5	Strength and durability requirements	EN 16139, 5			Passed
6.1.1	Seat static load and back static load test	EN 1728, 6.4	10 10	Seat: 1600 N Back: 560 N	Passed
6.1.2	Seat front edge static load	EN 1728, 6.5	10	Seat: 1300 N	Passed
6.1.3	Vertical load on back rests	EN 1728, 6.6	10	Seat: 1300 N Back: 600 N	Passed
6.1.4	Foot rest static load test	EN 1728, 6.8	10	1300 N	Passed
6.1.4	Leg rest static load test	EN 1728, 6.9	10		N/A
6.1.5	Arm rest sideways static load test	EN 1728, 6.10	10		N/A
6.1.6	Arm rest downwards static load test	EN 1728, 6.11	5		N/A
6.1.7	Vertical upwards static load on arm rests	EN 1728, 6.13	10		N/A
6.1.8	Combined seat and back durability test	EN 1728, 6.17	100000 100000	Seat: 1000 N Back: 300 N	Passed
6.1.9	Seat front edge durability test	EN 1728, 6.18	50000	800 N	Passed
6.1.10	Arm rest durability test	EN 1728, 6.20	30000		N/A
6.1.11	Foot rest durability test	EN 1728, 6.21	50000	1000 N	Passed
6.1.12	Leg forward static load test	EN 1728, 6.15	10	Edge: 250 N (Seat: 1000 N)	Passed
6.1.13	Legs sideways static load test	EN 1728, 6.16	10	Edge: 200 N (Seat: 1000 N)	Passed
6.1.14	Seat impact test	EN 1728, 6.24	10	240 mm	Passed
6.1.15	Back impact test	EN 1728, 6.25	10	210 mm / 38 °	Passed
6.1.16	Arm Impact Test	EN 1728, 6.26	10		N/A
6.1.17	Drop test (multiple seating)	EN 1728, 6.27.1	2 x 5		N/A
6.1.18	Auxiliary writing surface static load test	EN 1728, 6.14			N/A
6.1.19	Auxiliary writing surface durability test	EN 1728, 6.22	10000		N/A
7	Information for use	EN 16139, 7			N/A



Information required by EN 16139:2013

European Standards used:

EN 16139:2013 - Furniture - Strength, durability and safety - Requirements for non-domestic seating

EN 1728/AC:2012 - Domestic furniture - Seating - Test methods - Determination of strength and durability

EN 1022:2005 - Domestic furniture - Seating - Determination of stability

EN 1335:2009 - Office furniture - Office work chair - Part 3: Test methods

Details of tested seating:

Model:	T16 Cross Bar Chair 75 cm			Type:	Barstool		
Length:	454 mm	Depth:	450 mm	Height:	993 mm	Weight:	5 kg
Materials:	Oak, metal						

Details of defects observed before testing:

None.

Details of any deviations from this standard:

None.

Any variation from the specified temperature range:

None.

Test result:

See appendix A.

Name and address of the test facility:

Danish Technological Institute, Gregersensvej, Taastrup 2630, Denmark

Date of test:

2021-07-01 to 2021-08-31

Photo of the received sample:





NEPCon OÜ hereby confirms that the Chain of Custody system of

Kvist Industries A/S

Siggardsvej 2
Årre, 6818
Denmark

has been assessed and certified as meeting the requirements of
FSC-STD-40-003 V2-1; FSC-STD-40-004 V3-0; FSC-STD-50-001 V2-0

The certificate is valid from 07-09-2017 to 06-09-2022

Certificate version date: 12-11-2019

Scope of certificate

Certificate type: Multisite Chain of Custody

Certificate registration code

NC-COC-013022

FSC License Code

FSC-C112576

Laura Terrall Kohler
Director, NEPCon Assurance
Filosoofi 31, Tartu
Estonia

Specific information regarding products and sites is listed in the appendix(es) of this certificate. The validity and exact scope covered by this certificate shall always be verified at www.info.fsc.org.

FSC™ A000535 | The mark of responsible forestry | www.ic.fsc.org

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC™ certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.

Annex A: Scope of Kvist Industries A/S FSC™ Chain of Custody Certificate NC-COC-013022

(The list below shows products handled by the network of Participating Sites)

Product Type	Trade Name	Output FSC Claims
W12.12	Parts of furniture	FSC 100%; FSC Mix x%
W12.3	Tables	FSC Mix x%
W12.6	Chairs and stools	FSC 100%; FSC Mix x%
W18.1	Dowels and turnery parts of wood	FSC 100%
W5.2	Solid wood boards	FSC 100%

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC™ certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.

Annex B: Scope of Kvist Industries A/S FSC™ Chain of Custody Certificate NC-COC-013022

No	Site Name	Address	Sub-code
1	Kvist Industries A/S - Birkegade	Birkegade 11 Årre 6816 Denmark	NC-COC-013022-A
2	Kvist Industries A/S	Siggardsvej 2 Årre 6818 Denmark	NC-COC-013022-AA
3	SIA Kvist	Upmalas Mālpils Mālpils nov. LV-2152 Latvia	NC-COC-013022-B

This certificate itself does not constitute evidence that particular product supplied by the certificate holder is FSC™ certified [or FSC Controlled Wood]. Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required FSC claim is clearly stated on invoices and shipping documents. The physical printed certificate remains the property of NEPCon OÜ and shall be returned upon request.