

# Test Report

No.: 70.404.22.10091.01

Date: 2022-08-22

**Applicant:** QUERSUS SP. Z O.O.  
**Address:** PODRZECZE 182  
33-386 PODEGRODZIE  
POLAND  
**Product Name:** ICOS  
**Receipt Date of Sample:** 2022-06-30  
**Date of Testing:** 2022-06-30 to 2022-08-22  
**Sample Submitted:** The sample(s) was (were) submitted by applicant and identified.  
**Test Result:** Refer to the data listed in following pages

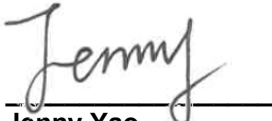
## Test Item

1. EN 1335-1:2020 Office furniture- Office work chair part 1: Dimensions- Determination of dimensions
2. EN 1335-2:2018 Office furniture - Office work chair – Part 2: Safety requirement

**Conclusion**  
Pass  
(See remarks)  
Pass  
(See remarks)

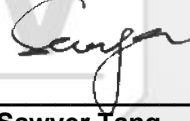
TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch  
Testing Center

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Description of Tested Subject:

1	Product Description	ICOS
2	Dimensions / Weight	D720 ~ 985 X W760 X H1110 ~ 1420(mm) / 25.7 (kg)
3	Base Dimensions / Weight	R345 X H65(mm) / 2.3(kg)
Front view		Front view (the lowest position)
		
Side view		Reclined position view
		



Test Result(s):

1. EN 1335-1:2020 Office furniture- Office work chair part 1: Dimensions- Determination of dimensions

Clause	Requirement -Test	Measuring result- Remark	Verdict
7	Measurement methods and procedures		-
	Height of lumbar support f	See remark 2.	N/T
	Angle between seat and back $\gamma$	$\gamma > 90^\circ$	P
	Backrest inclination range l		N/A
	Seat pad angle e	e: $0 \sim -15.5^\circ$ Adjustment range: $15.5^\circ$	P
	Seat height and sitting height a	$a_{min} = 425\text{mm}$ $a_{max} = 517\text{mm}$ Adjustment range: 92mm	P
	Depth of the seat b	b = 465mm	P
	Backrest height h	h = 705mm	P
	Maximum distance from the backrest to the front of the armrests q	q = 366mm	P
	Height of armrests p	See remark 2.	N/T
	Seat pad width d	d = 490mm	P
	Seat pad depth c	c = 500mm	P
	Backrest width j	j = 485mm	P
	Radius of backrest k	See remark 2.	N/T
	Armrest length n	n = 253mm	P
	Armrest width o	o = 101mm	P
	Minimum clearance between armrest assembly when armrests are in their widest position r	r = 510mm	P
	Clear distance between armrests pads z	See remark 2.	N/T
	Offset of the underframe s	s = 387mm	P
	Height of neck rest or head rest x	x = 797mm	P
8	Dimensional requirements	The product was checked according to the Type-C office chair specification. See remark 2.	P
9	Information for use	See remark 3.	N/T

Abbreviation: P=Pass; F=Fail; N/A = Not Applicable; N/T=Not Tested; N/R=Not Requested

2. EN 1335-2:2018 Office furniture - Office work chair – Part 2: Safety requirement

Clause	Requirement	Test Result	Conclusion
4	Safety requirement		P
4.1	General		P
4.2	Shear and squeeze points		P
4.3	Sequence of testing		-
4.4	Stability tests and requirement		P
	Corner stability EN 1022:2018, 7.3.3		P
	Forward overturning EN 1022:2018, 7.3.1		P
	Forward overturning for chairs with footrests EN 1022:2018, 7.3.2		N/A
	Sideways overturning for chairs without arm Rests EN 1022:2018, 7.3.4		N/A
	Sideways overturning for chairs with arm rests EN 1022:2018, 7.3.5.1 and 7.3.5.2		P
	Rearwards overturning for chairs without back rest inclination and for chairs with adjustable backrest inclination that can be locked 7.3.6		P
	Rearwards overturning for chairs with back rest Inclination EN 1022:2018, 7.4		P
4.5	Structural safety requirements		P
5	Strength and durability		P
5.1	General		P
	Combined seat and back static load test EN 1728:2012, 7.3	Seat force: 1600N Backrest force: 560N Cycles: 10	P
	Seat front edge static load test EN 1728:2012, 7.4	Force: 1600N Cycles: 10	P
	Foot rest static load test EN 1728:2012, 7.8	Force: 1300N Cycles: 10	P
	Seat and back durability EN 1728:2012, 7.9		-
	Step 1: Loading point A	Force: 1500N Cycles:120000	P
	Step 2: Loading point C Loading point B	Force: 1200N Force: 320N Cycles: 80000	P
	Step 3: Loading point J Loading point E	Force:1200N Force: 320N Cycles:20000	P

	Step 4: Loading point F Loading point H	Force:1200N Force: 320N Cycles: 20000	P
	Step 5: Loading point D and G	Force: 1100N Cycles: 20000	P
	Armrests durability EN 1728:2012, 7.10	Force: 400N Cycles: 60000	P
	Armrest downward static load test – central EN 1728:2012, 7.5	Force: 750N Cycles: 5	P
		Force: 900N Cycles: 5	P
5.2	Requirements		P
5.3	Rolling resistance test and requirements	a) the castors are of identical construction b) the rolling resistance was $\geq$ 12 N	P
6	Information for use	See remark 3.	N/T

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**Remark:**

1. The sample has been examined according to the client's requirement.
2. Height of lumbar support f, height of armrests p, radius of backrest k and clear distance between armrests pads z of EN 1335-1: 2020 are not checked according to client's requirement.
3. The information for use is not submitted by the client.

-End of Test Report-