



Laboratorium Badawcze INT

Test Report No: LB/01/0438/24

Issue date: 11.06.2024

Customer data:	INTAR TOOLS Rozdejczer Spółka Jawna Parole, ul. Szeroka 77 05-831 Parole
Tested item:	Office chair
Tested item identification:	1. Chair KA-LIRA-TS-302-01/TR5
Testing location:	Laboratorium Badawcze INT ul. Międzyłeska 4 50-514 Wrocław
Date of receipt:	03.06.2024
Testing date (beginning – ending):	04.06.2024 – 07.06.2024
Test methods:	EN 1335-1:2020 ISO 24496:2017
Additions, deviations or exclusions	Not applicable

Preparation

Michał Sadowski
Technical Manager

Review

Przemysław Łukawski
Test Specialist

Authorization

Michał Sadowski
Technical Manager

INSTYTUT NADZORU TECHNICZNEGO Sp. z o.o.
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The test report and test results relate only to the tested items.

The test report shall not be reproduced except in full without approval of the laboratory.

1) Environmental conditions:

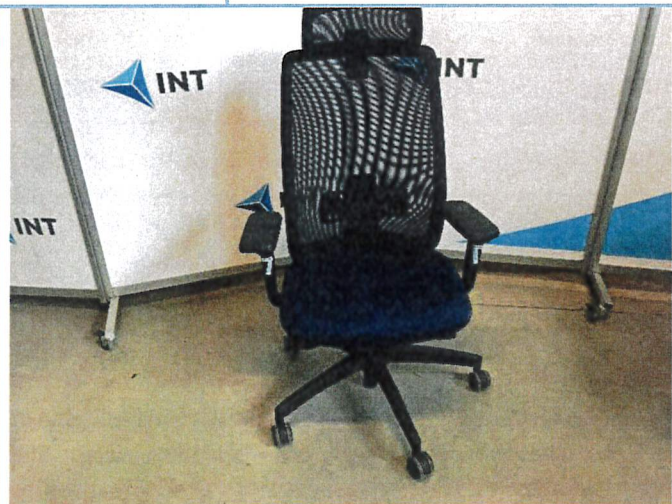
Environmental conditions during tests, based on monitoring records:

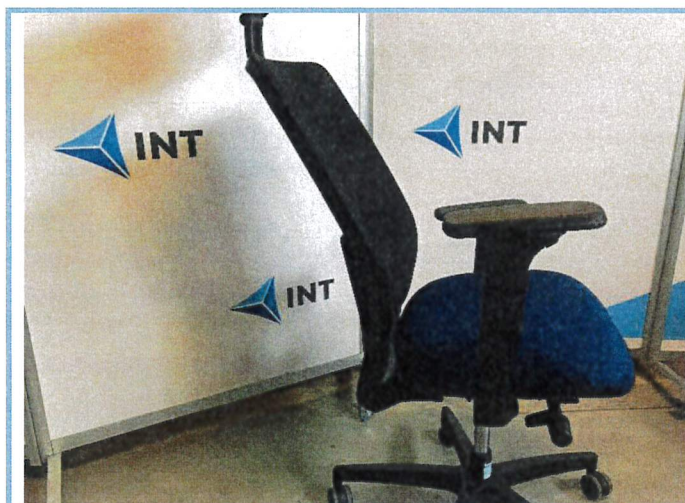
1.	Temperature	21,4 °C - 22,5 °C
2.	Humidity	33,1 %RH - 34,7 %RH

2) Tested item identification:

Chair KA-LIRA-TS-302-01/TR5

Description and condition of the item: Swivel chair on five-armed star base made of plastics with wheels. Seat upholstered, backrest made of elastic mesh. Armrests made of plastics, with adjustable: height, breadth, for-aft movement, rotation in horizontal. Chair is reclinable with locking function by knob. Seat height adjustment with spring gas operated by lever. Chair equipped with adjustable in height and angle headrest and adjustable in height and protrusion lumbar support. Under the seat button for operate seat depth.

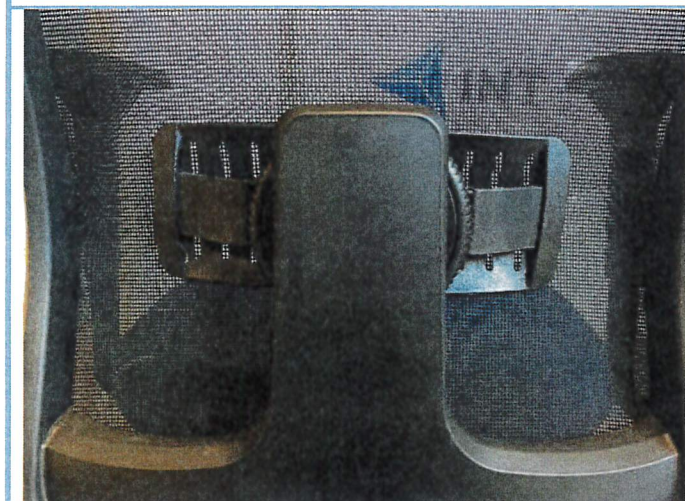
Dimensions:	Detailed dimensions mentioned below in test report (p. 4-6)	Mass [kg]:	16,775
			
Pic. 1		Pic. 2	



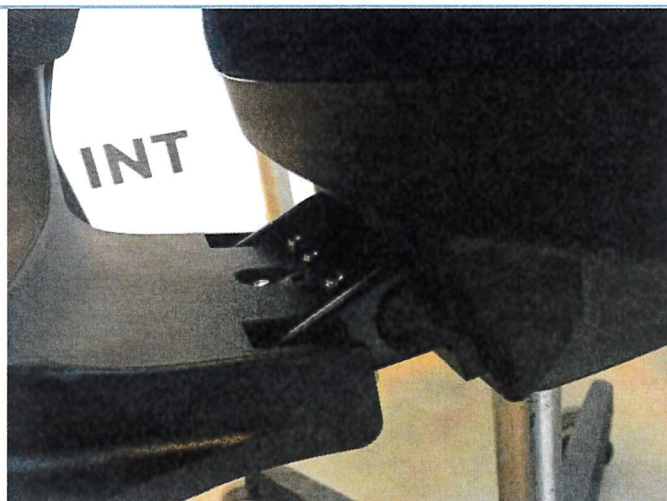
Pic. 3



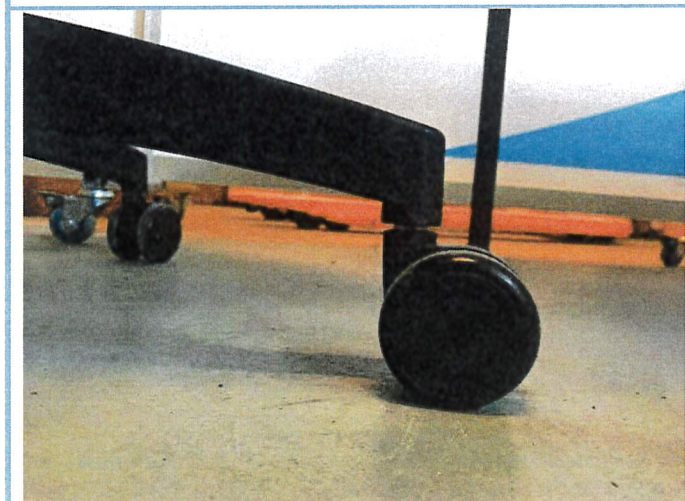
Pic. 4



Pic. 5



Pic. 6



Pic. 7



Pic. 8

3) Test results

Requirements and test methods according to EN 1335-1:2020 and ISO 24496:2017

Standard point, reference	Result ²⁾	Statement of conformity with the requirement/ specification ¹⁾	Comments
Maximum vertical height of the lumbar support f max Reference: ISO 24496:2017, 6.3.1.1, C	(270,00 ± 14,99) mm	Positive (Type Ax)	-
Minimum vertical height of the lumbar support f min Reference: ISO 24496:2017, 6.3.1.1, D, E	(150,00 ± 10,74) mm	Positive (Type Ax)	-
Lumbar support height adjustment range F max – f min Reference: ISO 24496:2017, 6.3.1.1, E Paragraph immediately below Table 2	(120,00 ± 11,55) mm	Positive (Type Ax)	-
Angle between seat and back γ Reference: ISO 24496:2017, 6.3.1.2	(96,00 ± 1,47) °	Positive (Type Ax)	-
Backrest inclination range l Reference: ISO 24496:2017, 6.3.1.2	(25,00 ± 1,02) °	Positive (Type Ax)	-
Seat pad angle adjustable / Seat pad angle fixed: minimum e (min.) Reference: ISO 24496:2017, 6.3.1.2	(-10,00 ± 0,70) °	Positive (Type Ax)	-
Seat pad angle adjustable / Seat pad angle fixed: maximum e (max.) Reference: ISO 24496:2017, 6.3.1.2	(0,80 ± 0,16) °	Positive (Type Ax)	-
Seat height, minimum. a (min.) Reference: ISO 24496:2017, 6.3.2.1, 6.3.2.2	(383,00 ± 3,00) mm	Positive (Type A)	-
Sitting height, minimum. a (min) Reference: ISO 24496:2017, 6.3.2.1, 6.3.2.2	Seat inclination angle 0° or more – seat height was measured	Not applicable	-

Standard point, reference	Result ²⁾	Statement of conformity with the requirement/specification ¹⁾	Comments
Adjustable depth of the seat / Fixed depth of the seat b (min.) Reference: ISO 24496:2017, 6.3.2.3	(418,00 ± 3,80) mm	Positive (Type A)	-
Backrest height h (min.) Reference: ISO 24496:2017, 6.3.2.4	(650,00 ± 2,83) mm	Positive (Type Ax)	-
Maximum distance from the backrest to the front of the armrests q (max.) Reference: ISO 24496:2017, 6.3.2.5	(300,00 ± 4,68) mm	Positive (Type A)	-
Height of armrests adjustable / Height of armrests not adjustable p (min.) Reference: ISO 24496:2017, 6.3.2.7	(196,00 ± 2,26) mm	Positive (Type Ax)	-
Seat height maximum a (max.) Reference: ISO 24496:2017, 6.3.3.1, 6.3.3.2	(522,00 ± 3,94) mm	Positive (Type A)	-
Sitting height max a (max) Reference: ISO 24496:2017, 6.3.3.1, 6.3.3.2	Seat inclination angle 0° or more – seat height was measured	Not applicable	-
Adjustable depth of the seat / Fixed depth of the seat b (max.) Reference: ISO 24496:2017, 6.3.3.3	(497,00 ± 4,48) mm	Positive (Type Ax)	-
Backrest height h (max.) Reference: ISO 24496:2017, 6.3.3.4	(640,00 ± 2,79) mm	Positive (Type Ax)	-
Height of armrests adjustable / Height of armrests not adjustable p (max.) Reference: ISO 24496:2017, 6.3.3.6	(306,00 ± 3,38) mm	Positive (Type Ax)	-
Seat pad width d Reference: ISO 24496:2017, 6.3.4.2	(467,00 ± 2,47) mm	Positive (Type Ax)	-

Standard point, reference	Result ²⁾	Statement of conformity with the requirement/specification ¹⁾	Comments
Seat pad depth c Reference: ISO 24496:2017, 6.3.4.3	(417,00 ± 2,40) mm	Positive (Type Ax)	-
Backrest width j Reference: ISO 24496:2017, 6.3.4.4	(479,00 ± 1,77) mm	Positive (Type Ax)	-
Radius of backrest k Reference: ISO 24496:2017, 6.3.4.5	> 400 mm	Positive (Type Ax)	-
Armrest length n Reference: ISO 24496:2017, 6.3.4.6	(225,00 ± 1,30) mm	Positive (Type Ax)	-
Armrest width o Reference: ISO 24496:2017, 6.3.4.7	(91,00 ± 1,33) mm	Positive (Type Ax)	-
Minimum clearance between armrest assembly when armrests are in their widest position r Reference: ISO 24496:2017, 6.3.4.8	(525,00 ± 2,31) mm	Positive (Type Ax)	-
Adjustable clear distance between armrest pads / Fixed clear distance between armrest pads Z max Z min Reference: ISO 24496:2017, 6.3.4.9	Z max: (525,00 ± 3,73) mm Z min: (375,00 ± 2,73) mm	Positive (Type Ax)	-
Offset of the underframe s Reference: ISO 24496:2017, 6.3.4.10	(385,00 ± 1,88) mm	Positive (Type Ax)	-

4) Opinions and interpretations

The opinions and interpretations are based on the obtained results

Not applicable

¹⁾ The statements of conformity with the requirements according to EN 1335-1:2020 are based on the principle of „Simple acceptance” (according to the document ILAC-G8:09/2019).

²⁾ Given values of uncertainties are expanded uncertainty calculated for confidence interval approx. 95% and coefficient $k=2$. Results and connected with them uncertainty do not encompass sampling (if applicable).

End of test report.