

TEST REPORT

PI / 14 / 21

(LIND identification mark)

Customer and address: YIELD d.o.o. Hamdije Kreševljakovića 64 71000 Sarajevo, BiH	Number from ZEDA Protocol book		LIND identification mark of test item PI / 14/ 21
	Enter: 04-5-38-124/21	Exit: 04-5-38-124-3/21	

Test item:

Furniture - non - domestic seating
- A chair for restaurant use or contract market
"Ena chair"



Standards:

According to the ZEDA offer No. 04-5-38-124-1/21 dated on 08.02.2021. and the test order YIELD Ltd No. 01/03-2021 dated on 09.02.2021, testing of a chair for restaurant use or contract market "Ena chair" is performed according to the requirements of standards:

- BAS EN 16139:2014 + BAS EN 16139/Cor1:2014 - Furniture - Strength, durability and safety - Requirements for non - domestic seating

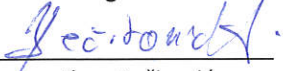
Test results:

According to the test results we can conclude that test item PI/14/21:
FULFILLS requirements of standards BAS EN 16139:2014 + BAS EN 16139/Cor1:2014 in accordance with performed test methods.

Comment:

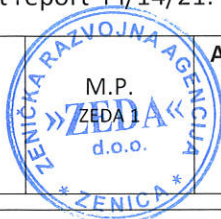
Test results are given in the Annex of Test report PI/14/21.

Test report is made by:
Manager of LIND

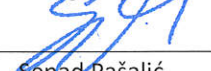

Alma Bećirović

Date of issuing:

16.03.2021



Approved by: Director of ZEDA Agency


Senad Pašalić

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BAS EN ISO/IEC 17025



LI-74-01

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OL5-10-02-4



LIND - Accredited laboratory for performing mechanical testing of furniture and equipment for playground
"Bilateral signatory to EA MLA"

TEST RESULTS – PI/14/21

PRODUCT DATA

Title of the product / test item: Furniture - non - domestic seating - A chair for restaurant use or contract market "Ena chair"	Dimensions: Chair height: 844 mm Seat height: 474 mm Seat width: 450 mm Seat depth: 415 mm Back width: 368 mm
Material of the product/ test item:	Construction: wood, seat and backrest upholstered in foam and fabric, Legs: solid wood - oak Plastic cups are attached to the chair legs
Description of the product/ test item:	Furniture - non - domestic seating - a chair for restaurant use or contract market without armrests
Date of the test item receipt:	10.02.2021.
Air-conditioned:	18.02.2021. to 19.02.2021.

Images of test item – a chair for restaurant use or contract market "Ena chair"



TEST RESULTS – a chair for restaurant use or contract market "Ena chair"

Test according to the clause of standard:	Requirements of standard					Result	Requirements fulfilled YES/NO
	Number of cycles/time	Value and unit	Weight (kg)	Adjustability		
BAS EN 16139:2014 + BAS EN 16139/Cor1:2014 Furniture - Strength, durability and safety - Requirements for non-domestic seating							
4 Safety							
4.1 General	/	According to the standard from a) to e)				/	YES
4.2.3 Shear and squeeze points	/	Without shear and squeeze				/	YES
4.3 Stability – 4.3.1. General	Fulfilled requirements a) to e)					/	YES
4.3.3 Non swivelling chairs	Fulfilled requirements of standard BAS EN 1022:2009					/	YES
BAS EN 1022:2009 – Domestic furniture – Seating – Determination of stability							
6.2 Forwards overbalancing, all seating	5 sec	600 N Horiz. force 20 N			Force overturn.	F= 71 N	YES
6.4 Sideways overbalancing, all seating without arms	5 sec	600 N Horiz. force 20 N			Force overturn.	F= 88 N	YES
6.6 Rearwards overbalancing, all seating with backs	5 sec	s b b 600 N 80 N F=0,2857x(1000-H)			Force overturn.	F= 175 N	YES

TEST RESULTS – continued – a chair for restaurant use or contract market "Ena chair"

Test according to the clause of standard:	Requirements of standard					Result	Requirements fulfilled YES/NO
	Number of cycles/time	Value and unit	Weight (kg)	Adjustability		
BAS EN 16139:2014 + BAS EN 16139/Cor1:2014 Furniture - Strength, durability and safety - Requirements for non-domestic seating							
4.5 Safety of construction	If the requirements of clause 6. of standard are fulfilled Table 1. Link with: BAS EN 1728:2014 + BAS EN 1728/Cor1:2014					/	YES
5. Safety, strength and durability requirements	If the requirements of this clause of standard and the requirements of Table 1 are fulfilled					/	YES
6. Test methods							
- Test order according to the Table 1 of standard BAS EN 16139:2014 + BAS EN 16139/Cor1:2014 (BAS EN 1728:2014 + BAS EN 1728/Cor1:2014)							
Table 1- Safety, strength and durability tests							
Ord.No. from Table 1	Test	Number of cycles	Loading	Level		Result	Requirements fulfilled YES/NO
				L1	L2		
1.	6.4 Seat and back static load test	10	Seat: Back:	1.600 N 560 N (min 410 N)	2.000 N 700 N (min 410 N)	10x	YES
2.	6.5 Seat front edge static load test	10	Force:	1.300 N	1.600 N	10x	YES
3.	6.6 Vertical static load on back	10	Seat: Back:	1.300 N 600 N	1.800 N 900 N	10x	YES
8.	6.17 Seat and back durability test	100.000	Seat: 1.000 N Back: 300 N (min. force not defined)	Cycles: 100.000 x	200.000 x	100.000x	YES
9.	6.18 Seat front edge durability test	50.000	Cycles: 800 N	50.000 x	100.000 x	50.000x	YES
12.	6.15 Leg forward static load test	10	Force: Seat:	500 N 1.000 N	620 N 1.800 N	10x	YES
13.	6.16 Leg sideways static load test	10	Force: Seat:	400 N 1000 N	760 N 1.800 N	10x	YES
14.	6.24 Seat impact test	10	Impact hammer with mass of 25 kg from the height:	240 mm	300 mm	10x	YES
15.	6.25 Back impact test	10	Impact hammer	210/38°	330/48°	10x	YES
Remark: L1 for general use; L2 for extreme use; For detail explanation see Annex B of standard BAS EN 16139:2014 + BAS EN 16139/Cor1:2014							
7. Information for use						/	YES
LEGEND: YES – requirement fulfilled; NO – requirement not fulfilled; / - not requested; X – a requirement of standard not tested s – seat; b – back; r – arm rest							

Ambient conditions during test:

1. Temperature: from 15,9 to 19,4 °C - Requirement of standard fulfilled: **YES / NO**
 2. Relative humidity: from 46,1 to 51,5 % - Requirement of standard fulfilled: **YES / NO**

Remarks:

- Tests according to the clauses of standard that are not listed in the specified column with related ordinal numbers are NOT standard provided and applicable for this test item.

OL5-04-01-2

Date of test start: 22.02.2021.

Date of test completion: 15.03.2021

Test performed and working order filled by:

Sanel Ibrić / Emir Čaplja

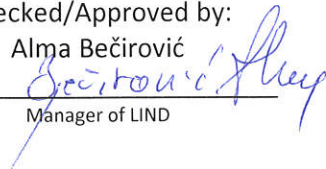

 Test performer

Place for stamp:


 ZEDA 2
 d.o.o.

Checked/Approved by:

Alma Bećirović


 Manager of LIND