# Łukasiewicz Poznań Inchinology

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#### **FURNITURE TESTING SECTION**

Poznań, 2023-10-24



# **TEST REPORT**

BDD-23-A-4331

Subject of the order Tests of NOMOLE STOOL LOW.

Order No. PZ/A/DBD/BDD/4331/23

Name and address of the client/manufacturer producer

FLOKK sp. z o.o. ul. Górnicza 8 62-700 Turek

Performance date 2023-10-24

Operators Michał Rogoziński, Adam Remlein

Compiled by	Authorized by	

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A qualified electronic signature has been affixed to this document, which according to the law is equivalent to written form.

### 1. IDENTIFICATION (DESCRIPTION OF THE TESTED OBJECT)

The tested object was NOMOLE STOOL LOW, ordered for the tests by the company FLOKK sp. z o.o.

The sample for tests was chosen by the orderer.

#### 2. DATE THE OBJECT WAS RECEIVED FOR TESTING

The test sample was delivered for tests 2023-09-25.

#### 3. SYMBOL AND NAME OF THE TEST METHOD APPLIED

The tests were carried out according to the standards: PN-EN 16139:2013/AC:2013 Furniture - Strength, durability and safety - Requirements for non-domestic seating" test level 1, Test Method 2D.

#### 4. LIST OF MEASURING APPARATUSES

The following equipment was used for the tests:

- seating furniture testing apparatus No. D1/B2,
- loading point setting template No. D3/P09
- force measuring set AST No. D2/04,
- metal measuring tape No. D2/19,
- furniture drop test rig D3/B2, D3/N04,
- furniture test rig D2/13,
- furniture stability testing apparatus No. D3/B1A-B,

The equipment was currently checked before use.

#### 5. TEST RESULTS

Test results are shown in protocols No.  $1 \div 2/4331$ .

#### 6. STATEMENT

Test results described in protocols refer only to the tested sample.

Test report can not be copied in parts only as entire form.



# PROTOCOL No. 1/4331 NON-DOMESTIC SEATING STRENGTH, DURABILITY AND SAFETY TESTS

According to: Tested object PN-EN 16139:2013/AC:2013, test level 1

NOMOLE STOOL LOW

Orderer FLOKK sp. z o.o.

PZ/A/DBD/BDD/4331/23 Order No.

Listing acc. PN-EN 16139			Type of test	Test parameters	Test results
4.1			Safety – General	acc. norm	pass
4.2.1			Shear and squeeze points when setting up and folding	acc. norm	pass
4.2.2			Shear and squeeze points under influence of powered mechanisms	-	not applicable
4.2.3			Shear and squeeze points during use	acc. norm	pass
	4.3.1		Stability - General	acc. norm	pass
	4.3.2		Swiveling chairs	-	not applicable
	4.3.3		Non swiveling chairs	acc. norm	pass
4.4			Rolling resistance of the unloaded chair	-	not applicable
	4.5		Safety of the construction	acc. norm	pass
	5		Safety, strength and durability requirements	acc. norm	pass
		1	Seat and back static load test	P <sub>1</sub> =1600 N , P <sub>2</sub> =560 N , n=10	pass
		2	Seat front edge static load test	P=1300 N , n=10	pass
		3	Vertical static load on back	P <sub>1</sub> =600 N , P <sub>2</sub> =1300 N , n=10	pass
		4	Foot rest and leg rest static load test	P=1300 N , n=10	pass
		5	Arm sideways static load test	-	not applicable
		6	Arm downwards static load test	-	not applicable
		7	Vertical upwards static load on arm rest	-	not applicable
		8	Seat and back durability test	P <sub>1</sub> =1000 N , P <sub>2</sub> =300 N n=100 000	pass
	1	9	Seat front edge durability test	P=800 N , n=50 000	pass
6	Table	10	Arm durability test	-	not applicable
		11	Foot rest durability test	P=1000 N , n=50 000	pass
		12	Leg forward static load test	P <sub>1</sub> =500 N , P <sub>2</sub> =1000 N , n=10	pass
		13	Leg sideways static load test	P <sub>1</sub> =400 N , P <sub>2</sub> =1000 N , n=10	pass
		14	Seat impact test	h=240 mm , n=10	pass
		15	Back impact test	h=210 mm , n=10	pass
		16	Arm impact test	-	not applicable
		17	Drop test (multiple seating)	-	not applicable
		18	Auxiliary writing surface static load test	-	not applicable
	Ī	19	Auxiliary writing surface durability test	-	not applicable
	7	7 Information for use acc. norm page		pass	

## PROTOCOL No. 2/4331 SEATING FURNITURE STABILITY

According to: PN-EN 1022:2019

Tested object NOMOLE STOOL LOW

Orderer FLOKK sp. z o.o.

Order No. PZ/A/DBD/BDD/4331/23

Test Number acc. PN-EN 1022	Test type acc. PN-EN 1022	Test results
7.3.1	Forwards overturning	pass
7.3.2	Forwards overturning for seating with foot rest	pass
7.3.3	Corner stability test	not applicable
7.3.4	Sideways overturning, all seating without arm rests	pass
7.3.5.2	Seating with arm rests	not applicable
7.3.5.3	Seating with raised side edges	not applicable
7.3.6	Rearwards overturning all seating with back rest	pass
7.4.2	Tilting seating	not applicable
7.4.3	Reclining seating with leg rest	not applicable
7.4.4	Reclining seating without leg rest	not applicable
7.4.5	Rearwards stability test for rocking chairs	not applicable
8.3.1	Loungers – Forwards overturning	not applicable
8.3.2	Loungers – Sideways overturning	not applicable

M. Rogoziński, A. Remlein Operators 2023-10-24 Date

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