Poznań University of Life Sciences

REPORT CARD FROM TEST NO. 40/17/S

1. Subject and range of tests:

Testing furniture for compliance with standards

2. Order number: RDM 46/A/17/S

3. Customer's name and address:

Noti Sp. z o.o.
Ul. Sowia 19
62-080 Tarnowo Podgórne

4. Name and symbol of the tested furniture:

Armchair Mula

5. Date of tests: **10.10.2017 - 31.10.2017**

6. Identification of furniture covered by the tests:

The technical description and product design drawing

7. The list of standards according to which tests were conducted:

PN-EN 1728:2012
PN-EN 16139:2013_07
PN-EN 1022:2007

8. Test results:

The results of strength, durability and stability tests together with the evaluation of test results are given in the following cards 1-40/17/S to 3-40/17 / S of the report from tests No. 40/17/S.

The test results presented in the report relate to the examined samples exclusively. The report card from tests can not be duplicated fragmentary or in the whole.

9. Evaluation of test results:

The above mentioned products are consistent with the requirements of the standards.

Head of Furniture Testing Laboratory — M.Sc. eng. Karol Łabęda

Head of Department of Furniture Design — Prof. dr. eng. Jerzy Smardzewski

UNIWERSYTET PRZYRODNICZY
w Poznaniu
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Poznan, 31.10.2017

Card no. 1 - 40/17/S

Strength and durability tests. **PIECE OF FURNITURE FOR SEATING**

The name and type of furniture: Armchair Mula
Mass of furniture in N: 75
Furniture dimensions in mm: height: 720 width: 700 depth: 750

Methodology: PN-EN 1728:2012
Requirements: PN-EN 16139:2013_07 - level 2

The standard point	Test	Test specifications/parameters	Test results
6.4	Seat static load and back static load test	Seat: force 2000 N Back: force 700 N 10 times	Positive
6.5	Seat front edge static load test	Seat: force 1600 N 10 times	Positive
6.6	Vertical load on back rests	The vertical force 900 N 10 times	Positive
6.7	Horizontal forward static load test on back rests	The horizontal force 450 N 10 times	Positive
6.10	Arm rest sideways static load test	The horizontal force 900 N 10 times	Positive
6.11	Arm rest downwards static load test	The vertical force 900 N 10 times	Positive
6.15	Leg forward static load test	Seat: force 1800 N The horizontal force 620 N 10 times	Positive
6.16	Leg sideways static load test	Seat: force 1800 N The horizontal force 620 N 10 times	Positive

Research executed: M. Sc. eng. Karol Łabęda .....
Results checked: M. Sc. eng. Rafał Westerski .....

Card no. 2 - 40/17/S

Strength and durability tests. **PIECE OF FURNITURE FOR SEATING**

The name and type of furniture: Armchair Mula

Methodology: PN-EN 1728:2012
Requirements: PN-EN 16139:2013_07 - level 2

The standard point	Test	Test specifications/parameters	Test results
6.17	Combined seat and back durability test	Seat: force 1000 N Back: force 300 N 200.000 times	Positive
6.18	Seat front edge durability test	Seat: force 1000 N 100.000 times	Positive
6.20	Arm rest durability test	The vertical force 400 N 60.000 times	Positive
6.24	Seat impact test	Drop height 300 mm 10 times	Positive
6.25	Back impact test	Drop height 330 mm 10 times	Positive
6.26	Arm impact test	Drop height 330 mm 10 times	Positive

Research executed: M. Sc. eng. Karol Łabęda .....

Results checked: M. Sc. eng. Rafał Westerski .....

Card no. 3 - 40/17/S

Stability test. **PIECE OF FURNITURE FOR SEATING**

The name and type of furniture: Armchair Mula
Height of the seat h_s in mm: 420

Methodology and requirements: PN-EN 1022:2007

The standard point	Test	Test specifications/parameters	Test results
6.2	Forward stability	The vertical force 600 N The horizontal force 20 N 5 s	Positive
6.5	Sideways stability of chairs with armrests	The vertical force 250 N + 350 N The horizontal force 20 N 5 s	Positive
6.6*	Rearwards stability	The vertical force 600 N The horizontal force 170 N 5 s	Positive

*(6.6) The horizontal force: $F = (1000\text{-}h_s)*0{,}2857$ [N]

Research executed: M. Sc. eng. Karol Łabęda .....

Results checked: M. Sc. eng. Rafał Westerski .....