University of Natural Sciences in Poznań, Faculty of Wood Technology, Department of Furniture
Laboratory of Furniture Testing and Certification

TEST REPORT NO 25/17/S

1. Test subject and scope:

Verification of compliance of furniture with standards

2. Order number: RDM 31/A/17/S

3. Name and address of customer:

BEJOT Sp. z o.o.
63-112 Brodnica k/Poznania
Manieczki, ul. Wybickiego 2a

4. Designation and symbol of type of product/products covered by tests:

Chair Orte 3DH102 based on SKY-LINE

5. Test carried out in the period: **27/03/2017 – 20/06/2017**

6. Identification of tested product/products covered by tests:

Technical description and design drawing of the product

7. List of standards on the basis of which the tests have been carried out:

PN-EN 1335-2:2009
PN-EN 1335-3:2009
PN-EN 12520:2016-02
PN-EN 1022:2007
PN-EN 16139:2013_07
PN-EN 1728:2012

8. Test results:

The results of the strength and life tests are given in the sheets from 1-25/17/S to 2-25/17/S to the test certificate No 25/17/S.

The test results presented in this report only apply to the tested samples. The test report may not be copied in part or whole.

9. Assessment of test results:

The above products comply with the standard requirements.

Director of the Laboratory of Furniture Testing and Certification
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Karol Łabęda, M Sc. Eng

Director of the Furniture Department
Illegible signature
Prof. Jerzy Smardzewski

Stamp "University of Natural Sciences in Poznań, Department of Furniture, Laboratory of Furniture Testing and Certification, ul. Wojska Polskiego 38/42, 60-627 Poznań"

Poznań, 20th June 2017

Sheet No 1 – 25/17/S
Strength testing. **Sitting furniture**

Designation and symbol of furniture type: Chair Orte 3DH102 based on SKY_LINE
Weight of furniture in N: 115

Methodology: PN-EN 1335-3:2009
Requirements: PN-EN 16139:2013_07, level 1

Standard position	Test type	Test parameters	Test result
7.1.2.	Testing of stability Loss of balance over the front edge	Vertical load 27 kg	Positive
7.1.2	Testing of stability Loss of balance frontwards	Vertical load 60 kg Horizontal force 20 N	Positive
7.1.5	Testing of stability Loss of balance sidewards	Vertical load To the seat 35 kg To the armrest 25 kg Horizontal force 20 N	Positive
7.1.7	Testing of stability Loss of balance backwards. Furniture with reclining backrest	Load 13 discs (130 kg)	Positive
7.2.1	Testing of static load of the front seat edge	Vertical force to the seat 1600 N 10 cycles	Positive
7.2.2	Testing of static load of the seat and backrest	Vertical force to the seat 1600 N, 10 cycles Perpendicular force to the backrest 560 N, 10 cycles	Positive
7.2.3	Testing of static load of the armrest with downward force.	Vertical force 900 N 10 cycles	Positive
7.2.4	Testing of static load of the armrest with downward force. Testing of the front edge of the armrest	Vertical force 450 N 5 cycles	Positive
7.2.5	Testing of static load of the armrest with outward force	Horizontal force 400 N 10 cycles	Positive

Test carried out by Karol Łabęda, MSc Eng. *Illegible signature*
Results checked by Robert Kłos, PhD Eng. *Illegible signature*

Sheet No 2 – 25/17/S
Strength testing. **Sitting furniture**

Designation and symbol of furniture type: Chair Orte 3DH102 based on SKY_LINE

Continued
Methodology: PN-EN 1335-3:2009
Requirements: PN-EN 16139:2013_07, PN-EN 1022:2007

7.3.1.	Fatigue testing of the seat In point A	Vertical force to the seat 1500 N, 120,000 cycles	Positive
7.3.1	Fatigue testing of the seat and backrest In point C-B	Vertical force to the seat 1200 N, 100,000 cycles Perpendicular force to the backrest 320 N, 100,000 cycles	Positive
7.3.1	Fatigue testing of the seat and backrest In point J-E	Vertical force to the seat 1200 N, 20,000 cycles Perpendicular force to the backrest 320 N, 20,000 cycles	Positive
7.3.1	Fatigue testing of the seat In point D-G	Vertical force to the seat 1200 N, 20,000 cycles Perpendicular force to the backrest 320 N, 20,000 cycles	Positive
7.3.2	Fatigue testing of the armrest	Vertical force 300 N, 50,000 cycles	Positive

Test carried out by Karol Łabęda, MSc Eng. *Illegible signature*
Results checked by Robert Kłos, PhD Eng, *Illegible signature*