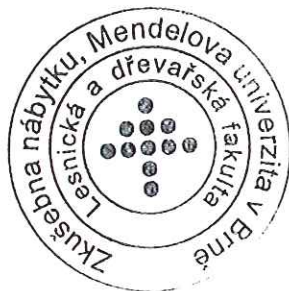


# REPORT

## on tests

Report Reference No.	<b>N-021-16</b>
Product Name	<b>SLOVAN folding stadium seat</b>
Applicant's Name	<b>SEDASPORT, s.r.o. Staromyjavská 1031/14, 907 01 Myjava Slovakia ID No. 36315788</b>
Manufacturer	<b>SEDASPORT, s.r.o. Staromyjavská 1031/14, 907 01 Myjava Slovakia ID No. 36315788</b>
Tests carried out by	Ing. Josef Hlavatý, Ph.D.
Report made by	Ing. Josef Hlavatý, Ph.D.
Date of issue of the report	16.12.2016
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*The test results relate to the subject of these tests and do not imply approval and certification of the said product. This report may not be reproduced other than in full except with the written consent of the Furniture Testing Laboratory.  
The Czech version of the test protocol is crucial in case of litigation.*



Person responsible for the accuracy of this Report

**Ing. Miroslav Zapletal**  
Head of the Furniture Testing Laboratory

## 1. GENERAL

### 1.1 Party requesting the tests:

SEDASPORT, s.r.o. Staromyjavská 1031/14, 907 01 Myjava, Slovakia.

### 1.2 Purpose of tests:

Verification of the mechanical properties of the SLOVAN folding stadium seat.

## 2. DETAILS OF THE RECEIPT OF SAMPLES

### 2.1 Receipt of samples:

The sample to be tested in the quantity of 1 (one) piece of furniture was delivered to the Furniture Testing Laboratory on October 24, 2016 by the party requesting the tests. Samples were taken over by the technician of the Furniture Testing Laboratory - Ing Josef Hlavatý, Ph.D.

### 2.2 Identification of samples:

Sample No. 1 (Reg. No. 22/2016) – SLOVAN folding stadium seat.

## 3. DESCRIPTION OF SAMPLES

### 3.1 Technical documentation and drawings:

The party requesting the tests delivered neither technical documents nor drawings.

### 3.2 Description of test sample

**Sample No. 1** – SLOVAN folding stadium seat.

#### *Material of construction:*

Plastic moulding of the seat and backrest are structurally interconnected by a hinged lifting mechanism rotatable around a horizontal axis with a torsion spring. The backrest part is connected to the concrete structure of the building using a 5 mm thick metal U profile on the vertical side of the step by two screws with a diameter of 10 mm. Comfortable plastic seat is foldable using a spring mechanism. The base of the structure is a steel frame made of a 5 mm thick metal sheet;

Plastic backrest is attached to the steel frame with four screws. The seat contains rockers and stops that are attached to the steel frame. Springs are inserted into rockers to allow seats to fold down. Silent folding is secured through rubber stoppers in the rocker.

## 4. PRODUCT TESTING

4.1 Testing commenced on: 24.11.2016

Testing finished on: 12.12.2016

4.2 Testing location: Mendel University in Brno – Furniture Testing Lab, Lesnická 39, 613 00 Brno.

### 4.3 The test methods and procedures:

ČSN EN 12727 Furniture - Ranked seating - Test methods and requirements for strength and durability - Table 1, loading group 3 - general.

- Seat and backrest static load test
- Backrest upper edge static load test
- Combined seat and backrest durability test
- Seat impact test
- Backrest impact test
- Seat folding mechanism test

**4.4 Any deviations, additions or exclusions regarding the test method:**

None.

**4.5 Additional information required by specific methods, customers or groups of customers:**

None.

**Measuring and testing equipment:**

- Universal machine for furniture testing
- Test equipment for impact tests
- Calibrated force-measuring clamp
- Calibrated tape measure

**5. TEST RESULTS**

**5.1 Static load test of the seat and backrest**

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.3 - vertical force of 2 000 N, horizontal force of 760 N, 10 x 10 s.

Test result	<b><u>The test sample without mechanical damage, loose connections and no structural damage.</u></b>
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**5.2 Vertical static test on back**

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.5 - vertical force of 900 N, 10 x 10 s.

Test result	<b><u>The test sample without mechanical damage, loose connections and no structural damage.</u></b>
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**5.3 Combined seat and back durability test**

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.8 - vertical force of 950 N, horizontal force of 330 N, 150 000 cycles.

Test result	<b><u>The test sample without mechanical damage, loose connections and no structural damage.</u></b>
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**5.4 Seat impact test**

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.11 - fall height 300 mm, 10 cycles.

Test result	<b><u>The test sample without mechanical damage, loose connections and no structural damage.</u></b>
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**5.5 Back impact test**

Load points according to ČSN EN 1728, Test conditions according to ČSN EN 12727, table 1, Clause 6.12 - fall height 620 mm, 10 cycles.

Test result	<b><u>The test sample without mechanical damage, loose connections and no structural damage.</u></b>
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**5.6 Tipping seat operation test**

Load points according to ČSN EN 12727, table 1, Clause 6.14 - 50000 cycles.

Test result	<b><u>The test sample without mechanical damage, loose connections and no structural damage.</u></b>
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## 6. PHOTOGRAPHIC DOCUMENTATION



Photo 1 – SLOVAN folding stadium seat