

Date received: 21/08/19

Date of issue: 27/09/19

Report consists of 9 test reports.

Defects before testing: None

Sample name: CODE 126 / LISA ARMCHAIR

ISILPLAST PLASTIK SANAYII VE TIC. A.S.  
CATALCA YOLU NO:4 TEPECİK 34537  
BUYUKCEKMECE-ISTANBUL  
TR - TURKEY

## SAMPLE N° 276570

Overall dimensions: 540 x 530 x 820 (h) mm

### List of test reports:

1. Outdoor furniture - General safety requirements EN 581-1:2017
2. Seat and back static load test EN 1728:2012+AC:2013
3. Seat and back fatigue test EN 1728:2012+AC:2013
4. Arm downwards static load test EN1728:2012+AC:2013
5. Arm fatigue test EN 1728:2012+AC:2013
6. Leg forward static load test EN 1728:2012+AC:2013
7. Leg sideways static load test EN 1728:2012+AC:2013
8. Seat impact test EN 1728:2012+AC:2013
9. Stability - EN 1022:2005



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Managing Director  
Dr. Andrea Giavon

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## **SAMPLE N° 276570**

Date of issue: 27/09/19  
Sample weight: Not determined  
Sample name: CODE 126 / LISA ARMCHAIR



Side view



Rear view



Bottom view

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**TEST REPORT**  
**276570 / 1**

Revision: 0  
Date received: 21/08/19  
Date of test: 22/08/19  
Date of issue: 27/09/19



Sample name: CODE 126 / LISA ARMCHAIR

ISILPLAST PLASTIK SANAYII VE TIC. A.S.  
CATALCA YOLU NO:4 TEPECİK 34537  
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TR - TURKEY

**Outdoor furniture - General safety requirements EN 581-1:2017**

**5.1 General:**

| Requirement                                                                                  | Observed    | Remarks |
|----------------------------------------------------------------------------------------------|-------------|---------|
| Edges of seat, back rest and arm rests rounded and chamfered                                 | Yes         | None    |
| All other parts: free from burrs, sharp edges and sharp points.                              | Yes         | None    |
| Movable and adjustable parts designed so that injuries and inadvertent operation are avoided | Not present | None    |
| Any load bearing part of furniture not come loose unintentionally                            | Yes         | None    |
| Lubricated parts are protected                                                               | Not present | None    |

**5.2 Tubular components:**

| Requirement                                                                                                    | Observed | Remarks |
|----------------------------------------------------------------------------------------------------------------|----------|---------|
| Absence of tubular components with diameter > 7 mm and < 12 mm with a depth > 10 mm.                           | Yes      | None    |
| Tubulars in contact with the floor are closed. Holes in them are allowed as long as they are < 7 mm or > 12 mm | Yes      | None    |

**5.3 Shear and squeeze points:**

| Requirement                                                                                                                                       | Observed    | Remarks |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------|
| Shear and squeeze points that are created only during adjusting and folding away are acceptable if the user has the control of his/her movements. | Not present | None    |
| Absence of shear and squeeze points, created by parts operated by powered mechanism.                                                              | Not present | None    |
| Absence of shear and squeeze points, created by loads applied during normal use.                                                                  | Yes         | None    |

Conformity to requirements of clause 5 of standard EN 581-1:2017:

**YES**

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*Dr. Andrea Giavon*

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# TEST REPORT

## 276570 / 2

Revision: 0  
Date received: 21/08/19  
Date of test: 22/08/19  
Date of issue: 27/09/19



Sample name: CODE 126 / LISA ARMCHAIR

ISILPLAST PLASTİK SANAYII VE TIC. A.S.  
CATALCA YOLU NO:4 TEPECİK 34537  
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## Seat and back static load test EN 1728:2012+AC:2013

### Test performed according to EN 581-2:2015

Seat and back static load test, clause 6.4, EN 1728:2012+AC:2013

#### Test results:

| Seat load<br>N | Back force<br>N | Number<br>of cycles | Remarks    |
|----------------|-----------------|---------------------|------------|
| 2.000          | 560             | 10 x 10 s           | No defects |
| 2.000          | 560             | 1 x 30 min          | No defects |

Seat front edge static load, clause 6.5, EN 1728:2012+AC:2013

| Seat load<br>N | Number<br>of cycles | Remarks    |
|----------------|---------------------|------------|
| 1.300          | 10                  | No defects |

#### Note:

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015, contract level.

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**TEST REPORT**

**276570 / 3**

Revision: 0  
Date received: 21/08/19  
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Date of issue: 27/09/19



Sample name: CODE 126 / LISA ARMCHAIR

ISILPLAST PLASTİK SANAYII VE TIC. A.S.  
CATALCA YOLU NO:4 TEPECİK 34537  
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**Seat and back fatigue test EN 1728:2012+AC:2013**

**Test performed according to EN 581-2:2015**

Seat and back fatigue test, clause 6.17, EN 1728:2012+AC:2013

**Test results:**

| Seat force<br>N | Back force<br>N | Number<br>of cycles | Remarks    |
|-----------------|-----------------|---------------------|------------|
| 1.000           | 333             | 50.000              | No defects |

**Note:**

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015, contract level.

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## TEST REPORT

**276570 / 4**

Revision: 0  
Date received: 21/08/19  
Date of test: 04/09/19  
Date of issue: 27/09/19



Sample name: CODE 126 / LISA ARMCHAIR

ISILPLAST PLASTİK SANAYİ VE TİC. A.Ş.  
CATALCA YOLU NO:4 TEPECİK 34537  
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TR - TURKEY

## Arm downwards static load test EN1728:2012+AC:2013

### Test performed according to EN 581-2:2015

Arm downwards static load test clause 6.11, EN 1728:2012+AC:2013

### Test results:

| Vertical force<br>N | Number of applications | Remarks    |
|---------------------|------------------------|------------|
| 900                 | 10                     | No defects |

### Note:

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015, contract level.

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# TEST REPORT

## 276570 / 5

Revision: 0  
Date received: 21/08/19  
Date of test: 16/09/19  
Date of issue: 27/09/19



Sample name: CODE 126 / LISA ARMCHAIR

ISILPLAST PLASTİK SANAYII VE TIC. A.S.  
CATALCA YOLU NO:4 TEPECİK 34537  
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TR - TURKEY

## Arm fatigue test EN 1728:2012+AC:2013

### Test performed according to EN 581-2:2015

Arm fatigue test clause 6.20, EN 1728:2012+AC:2013

### Test results:

| Force<br>on arm rest<br>N | Number<br>of cycles | Remarks    |
|---------------------------|---------------------|------------|
| 400                       | 30.000              | No defects |

### Note:

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015, contract level.

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## TEST REPORT

# 276570 / 6

Revision: 0  
Date received: 21/08/19  
Date of test: 24/09/19  
Date of issue: 27/09/19



Sample name: CODE 126 / LISA ARMCHAIR

ISILPLAST PLASTİK SANAYII VE TIC. A.S.  
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## Leg forward static load test EN 1728:2012+AC:2013

Test performed according to EN 581-2:2015

Leg forward static load test clause 6.15, EN 1728:2012+AC:2013

Test results:

| Forward horizontal force<br>N | Balancing seat force<br>N | Number of cycles | Remarks    |
|-------------------------------|---------------------------|------------------|------------|
| 400                           | 1.000                     | 10               | No defects |

Note:

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015, contract level.

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## TEST REPORT

**276570 / 7**

Revision: 0  
Date received: 21/08/19  
Date of test: 24/09/19  
Date of issue: 27/09/19



Sample name: CODE 126 / LISA ARMCHAIR

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## Leg sideways static load test EN 1728:2012+AC:2013

### Test performed according to EN 581-2:2015

Leg sideways static load test clause 6.16, EN 1728:2012+AC:2013

### Test results:

| Sideways horizontal force<br>N | Balancing seat force<br>N | Number of cycles | Remarks    |
|--------------------------------|---------------------------|------------------|------------|
| 300                            | 1.000                     | 10               | No defects |

### Note:

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# TEST REPORT

## 276570 / 8

Revision: 0  
Date received: 21/08/19  
Date of test: 26/09/19  
Date of issue: 27/09/19



Sample name: CODE 126 / LISA ARMCHAIR

ISILPLAST PLASTİK SANAYII VE TIC. A.S.  
CATALCA YOLU NO:4 TEPECİK 34537  
BUYUKCEKMECE-ISTANBUL  
TR - TURKEY

## Seat impact test EN 1728:2012+AC:2013

### Test performed according to EN 581-2:2015

Seat impact test clause 6.24, EN 1728:2012+AC:2013

### Test results:

| Mass of impactor kg | Height of drop mm | Impact point                    | Number of drops | Remarks    |
|---------------------|-------------------|---------------------------------|-----------------|------------|
| 25                  | 240               | point A                         | 10              | No defects |
| 25                  | 240               | 100 mm from the front seat edge | 10              | No defects |

### Note:

The test results comply with the requirements in clause 7.2.2 of EN 581-2:2015, contract level.

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## TEST REPORT

**276570 / 9**

Revision: 0  
Date received: 21/08/19  
Date of test: 26/09/19  
Date of issue: 27/09/19



Sample name: CODE 126 / LISA ARMCHAIR

ISILPLAST PLASTIK SANAYII VE TIC. A.S.  
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## Stability - EN 1022:2005

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 158 N

### Forwards overturning

Horizontal force : 20 N does not overturn

### Rearwards overturning

Fixed back chair

Horizontal force : 158 N does not overturn

### Tilting chair in the rearmost position

Loading discs on the seat : /

### Sideways overturning for chairs with arms

Horizontal force : 20 N does not overturn

### Sideways overturning for chairs without arms

Horizontal force : /

### Forwards overturning for chairs with footrest

Horizontal force : /

The test result complies with the requirements of EN 1022:2005

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