

Date received: 09/12/20

Date of issue: 11/01/21

Report consists of 12 test reports.

Defects before testing: None

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

BRADO S.P.A.  
VIA CAL DI MEZZO 3  
31030 BIGOLINO DI VALDOBBIADENE (TV)  
ITALIA

## SAMPLE N° 302024

Overall dimensions: 540 x 540 x 815 (h) mm

### List of test reports:

1. Safety requirements EN 16139:2013+AC:2013
2. Information for use EN 16139:2013+AC:2013
3. Seat and back static load test EN 1728:2012+AC:2013
4. Vertical load on back rest EN 1728:2012+AC:2013
5. Seat and back fatigue test EN 1728:2012+AC:2013
6. Seat front edge durability test EN 1728:2012+AC:2013
7. Leg forward static load test EN 1728:2012+AC:2013
8. Leg sideways static load test EN 1728:2012+AC:2013
9. Seat impact test EN 1728:2012+AC:2013
10. Back impact test EN 1728:2012+AC:2013
11. Stability - EN 1022:2005
12. Stability EN 1022:2018, clause 7.3



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Managing Director  
Dr. Franco Bulian

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## SAMPLE N° 302024

Date of issue: 11/01/21  
Sample weight: Not determined  
Sample name: MSP047ABL - NUKE Rinasco 100% Recycled



Side view



Rear view



Bottom view

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## TEST REPORT

**302024 / 1**

Revision: 0  
Date received: 09/12/20  
Date of test: 14/12/20  
Date of issue: 11/01/21



BRADO S.P.A.  
VIA CAL DI MEZZO 3  
31030 BIGOLINO DI VALDOBBIADENE (TV)  
ITALIA

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

## Safety requirements EN 16139:2013+AC:2013

### Safety requirements clause 4

Statement checked	Remarks
Corner and edges in contact with the users: • Absence of sharp edges and corners	Yes
Edges on the handles: • Absence of sharp edges and corners in the direction of the force	Handles not present
Other edges: • Absence of sharp edges and corners	Yes
Accessible hollow components: • The ends of hollow components are closed or capped	Yes
Movable and adjustable parts: • It shall not be possible for any movable and adjustable part of the chair to come operate unintentionally.	No - Movable and adjustable parts not present
Connections between parts of the structure: • It shall not be possible for any load bearing part of the seating to come loose unintentionally	No
Parts which are lubricated: • All the parts which are lubricated shall be designed to protect users	Lubricated parts not present
Shear and squeeze points between movable parts $\geq 8 \text{ mm} \leq 25 \text{ mm}$ : • Shear and squeeze points under influence of powered mechanism • Shear and squeeze points during normal use and during normal movements and actions	Mechanism not present  No

Conformity to clauses 4.1 and 4.2 of standard EN 16139:2013+AC:2013:

**YES**

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## TEST REPORT

**302024 / 2**

Revision: 0  
Date received: 09/12/20  
Date of test: 11/01/21  
Date of issue: 11/01/21



BRADO S.P.A.  
VIA CAL DI MEZZO 3  
31030 BIGOLINO DI VALDOBBIADENE (TV)  
ITALIA

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

## Information for use EN 16139:2013+AC:2013

### Information for use clause 7

Statement checked	Remarks
Information for use in the language of the country in which the chair will be delivered to the end user	Italian and English languages
Information regarding the intended use (Annex B of EN 16139:2013+AC:2013)	Present
Instruction for operating the adjusting mechanisms, where applicable	Not applicable
Assembly instructions, where applicable	Not applicable
Instruction for the care and the maintenance of the chair	Present
Information on the choice of castors in relation to the floor surface if the chair is fitted	Castors not present
Advice that only trained personnel may replace or repair seat height adjustment components with energy accumulators if the chair is fitted	Seat height adjustment not present

Conformity to clause 7 of standard EN 16139:2013+AC:2013:

**YES**

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# TEST REPORT

## 302024 / 3

Revision: 0  
Date received: 09/12/20  
Date of test: 14/12/20  
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BRADO S.P.A.  
VIA CAL DI MEZZO 3  
31030 BIGOLINO DI VALDOBBIADENE (TV)  
ITALIA

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

## Seat and back static load test EN 1728:2012+AC:2013

### Test performed according to EN 16139:2013+AC:2013

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

#### Test results:

Seat load N	Back force N	Number of cycles	Remarks
2.000	680	10	No defects

#### Note:

According to EN 1728:2012+AC:2013, back force has been reduced from 700 N to 680 N to avoid tipping.

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

Seat load N	Number of cycles	Remarks
1.600	10	No defects

#### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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## TEST REPORT

### 302024 / 4

Revision: 0  
Date received: 09/12/20  
Date of test: 15/12/20  
Date of issue: 11/01/21



BRADO S.P.A.  
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31030 BIGOLINO DI VALDOBBIADENE (TV)  
ITALIA

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

## Vertical load on back rest EN 1728:2012+AC:2013

### Test performed according to EN 16139:2013+AC:2013

Vertical static load on back rest clause 6.6, EN 1728:2012+AC:2013

#### Test results:

Seat load N	Downwards force N	Number of applications	Remarks
1.800	900	10	No defects

#### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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**TEST REPORT**

**302024 / 5**

Revision: 0  
Date received: 09/12/20  
Date of test: 18/12/20  
Date of issue: 11/01/21



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ITALIA

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

**Seat and back fatigue test EN 1728:2012+AC:2013**

**Test performed according to EN 16139:2013+AC:2013**

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

**Test results:**

Seat force N	Back force N	Number of cycles	Remarks
1.000	300	200.000	No defects

**Note:**

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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## TEST REPORT

### 302024 / 6

Revision: 0  
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Date of test: 30/12/20  
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31030 BIGOLINO DI VALDOBBIADENE (TV)  
ITALIA

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

## Seat front edge durability test EN 1728:2012+AC:2013

### Test performed according to EN 16139:2013+AC:2013

Seat front edge durability test clause 6.18, EN 1728:2012+AC:2013

#### Test results:

Points of application	Seat forcei N	Number of cycles	Remarks
100 mm back from the front and sides edges	800	100.000	No defects

#### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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**TEST REPORT**

**302024 / 7**

Revision: 0  
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Date of test: 08/01/21  
Date of issue: 11/01/21



**BRADO S.P.A.**  
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**ITALIA**

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

**Leg forward static load test EN 1728:2012+AC:2013**

**Test performed according to EN 16139:2013+AC:2013**

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

**Test results:**

Forward horizontal force N	Balancing seat force N	Number of cycles	Remarks
620	1.800	10	No defects

**Note:**

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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## TEST REPORT

### 302024 / 8

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Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

BRADO S.P.A.  
VIA CAL DI MEZZO 3  
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## Leg sideways static load test EN 1728:2012+AC:2013

### Test performed according to EN 16139:2013+AC:2013

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

#### Test results:

Sideways horizontal force N	Balancing seat force N	Number of cycles	Remarks
450	1.800	10	No defects

#### Note:

According to EN 1728:2012+AC:2013, horizontal force has been reduced from 760 N to 450 N, to avoid tipping.

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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## TEST REPORT

### 302024 / 9

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ITALIA

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

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

### Test performed according to EN 16139:2013+AC:2013

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	300	point A	10	No defects
25	300	100 mm from the front seat edge	10	No defects

#### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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# TEST REPORT

## 302024 / 10

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31030 BIGOLINO DI VALDOBBIADENE (TV)  
ITALIA

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

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

### Test performed according to EN 16139:2013+AC:2013

Back impact test clause 6.25, EN 1728:2012+AC:2013

#### Test results:

Angle °	Mass of impactor kg	Number of cycles	Remarks
48	6,5	10	No defects

#### Note:

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**TEST REPORT**

**302024 / 11**

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Date of issue: 11/01/21



**BRADO S.P.A.**  
VIA CAL DI MEZZO 3  
31030 BIGOLINO DI VALDOBBIADENE (TV)  
ITALIA

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

**Stability - EN 1022:2005**

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 157 N

**Forwards overturning**

Horizontal force : 20 N does not overturn

**Rearwards overturning**

Fixed back chair

Horizontal force : 157 N does not overturn

**Tilting chair in the rearmost position**

Loading discs on the seat : /

**Sideways overturning for chairs with arms**

Horizontal force : /

**Sideways overturning for chairs without arms**

Horizontal force : 20 N does not overturn

**Forwards overturning for chairs with footrest**

Horizontal force : /

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

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# TEST REPORT

## 302024 / 12

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Date of issue: 11/01/21



BRADO S.P.A.  
VIA CAL DI MEZZO 3  
31030 BIGOLINO DI VALDOBBIADENE (TV)  
ITALIA

Sample name: MSP047ABL - NUKE Rinasco 100% Recycled

## Stability EN 1022:2018, clause 7.3

Type of chair: fixed geometry

Positioning of chair components: as specified in Table 1 of EN 1022:2018

Loads and masses according to table B1 of EN 1022:2018, annex B

### Forwards overturning

Forwards overturning, clause 7.3.1 : does not overturn  
Forwards overturning for seating with foot rest, clause 7.3.2 : /  
Corner stability, clause 7.3.3 : does not overturn

### Sideways overturning

Sideways overturning, all seating without arm rests, clause 7.3.4 : does not overturn  
Seating with arm rests, clause 7.3.5.2 : /  
Seating with raised side edges, clause 7.3.5.3 : /

### Rearwards overturning

Rearwards overturning all seating with back rests, clause 7.3.6  
Minimum force required: 157 N : does not overturn

Tilting seating, clause 7.4.2 : /  
Reclining seating with leg rest, clause 7.4.3 : /  
Reclining seating without leg rest, clause 7.4.4 : /  
Rearwards stability test for rocking chairs, clause 7.4.5 : /

The test results comply with the requirements in clause 7.2 of EN 1022:2018.

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