

Date received: 23-01-12

Date of issue: 09-03-12

Report consists of 7 test reports.

Defects before testing: None

Sample name: SEDIA ZOE EVOLVE

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

TEST REPORT N° 136385

Overall dimensions: 700 x 700 x 1170 (h) mm

List performed tests:

1. Information for use EN 1335-2:2009, clause 5
2. Seat and back static load test 1335-3:2009 AC:2009, clause 7.2.1-7.2.2
3. Seat and back durability - EN 1335-3:2009 AC:2009 - Clause 7.3.1
4. Arm rests durability EN 1335-3:2009 AC:2009, clause 7.3.2
5. Arm rest downward static load test-central EN 1335-3:2009 AC:2009, clause 7.2.3
6. Stability EN 1335-3:2009 AC:2009, clause 7.1
7. Rolling resistance of unloaded chair EN 1335-3:2009 AC:2009, clause 7.4



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*Managing Director
Dr. Andrea Giovan*

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TEST REPORT N° 136385

Date of issue: 09-03-12
Sample weight: Not determined
Sample name: SEDIA ZOE EVOLVE



Side view



Rear view



Bottom view

TEST REPORT

136385 / 1

Date received: 23-01-12
Date of test: 05-03-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

BRADO S.P.A.
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ITALIA

Information for use EN 1335-2:2009, clause 5

| Statement checked | Remarks |
|--|------------------|
| Information for use in the language of the country in which the chair will be delivered to the end user. | Italian language |
| Information regarding the intended use. | Present |
| Information regarding possible adjustments and chair type | Present |
| Instruction for operating the adjusting mechanisms. | Present |
| Instruction for the care and the maintenance of the chair. | Present |
| Information regarding adjustment of the seat and back rest. | Present |
| Advice that only trained personnel may replace or repair seat height adjustment components with energy accumulators. | Present |
| Information on the choice of castors in relation to the floor surface. | Present |

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TEST REPORT

136385 / 2

Date received: 23-01-12
Date of test: 25-01-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

BRADO S.P.A.
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ITALIA

Seat and back static load test 1335-3:2009 AC:2009, clause 7.2.1-7.2.2

Seat front edge static load, clause 7.2.1

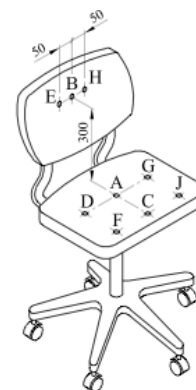
Seat height: highest position
Seat depth: foremost position

Test results:

| Seat load N | Number of cycles | Back rest inclination mechanism | Remarks |
|-------------|------------------|---------------------------------|------------|
| 1.600 | 10 | F | No defects |

Seat and back static load test, clause 7.2.2

Seat height: highest position
Seat inclination: horizontal
Back rest in height: highest position
Back rest in depth: rearmost position
Position of castors: to the base arms
Tension of mechanism spring: medium



Test results:

| Seat load N | Back force N | Number of cycles | Back rest inclination mechanism | Back rest inclination mechanism | Remarks |
|-------------|--------------|------------------|---------------------------------|---------------------------------|------------|
| 1.600 | 560 | 5 | A - B | Blocked | No defects |
| 1.600 | 560 | 5 | A - B | Unlocked | No defects |

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Managing Director
Dr. Arianna Giavon

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TEST REPORT

136385 / 3

Date received: 23-01-12
Date of test: 25-01-12
Date of issue: 09-03-12



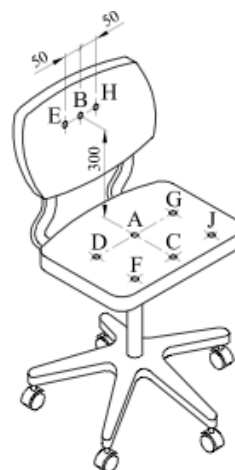
Sample name: **SEDIA ZOE EVOLVE**

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

Seat and back durability - EN 1335-3:2009 AC:2009 - Clause 7.3.1

Seat and back durability clause 7.3.1

Seat height: highest position
Seat inclination: horizontal
Back rest in height: highest position
Back rest in depth: rearmost position
Position of castors: perpendicular to the base arms
Tension of mechanism spring: medium



Test results:

| Number of cycles | Loading point | Force N | Back rest inclination mechanism | Remarks |
|------------------|---------------|--------------|---------------------------------|------------|
| 120.000 | A | 1.500 | Unlocked | No defects |
| 40.000 | C B | 1200 320 | Blocked | No defects |
| 40.000 | C B | 1200 320 | Unlocked | No defects |
| 20.000 | J E | 1200 320 | Unlocked | No defects |
| 20.000 | F H | 1200 320 | Unlocked | No defects |
| 20.000 | D G | 1100 1100 | Unlocked | No defects |

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TEST REPORT

136385 / 4

Date received: 23-01-12
Date of test: 17-02-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

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

Arm rests durability EN 1335-3:2009 AC:2009, clause 7.3.2

Arm rest durability, clause 7.3.2

Seat height: lowest position
Seat inclination: horizontal
Armrest positioning: highest

Test results:

| Load on arm rest N | Number of cycles | Remarks |
|-----------------------|------------------|------------|
| 400 | 60.000 | No defects |

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TEST REPORT

136385 / 5

Date received: 23-01-12
Date of test: 27-02-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

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

Arm rest downward static load test-central EN 1335-3:2009 AC:2009, clause 7.2.3

Arm rest downward static load test - central, clause 7.2.3

Seat height: lowest position
Seat inclination: horizontal
Armrest positioning: highest

Test results:

| Load on the arm rest | Number of cycles | Remarks |
|----------------------|------------------|------------|
| 750 | 5 | See note |
| 900 | 5 | No defects |

Note: after the functional load of 750 N the chair does not overbalance.

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Managing Director
Dr. Andrea Giavon

TEST REPORT

136385 / 6

Date received: 23-01-12
Date of test: 27-02-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

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

Stability EN 1335-3:2009 AC:2009, clause 7.1

Minimum horizontal force for rearwards overturning of fixed back chair: 192 N

Chairs with back rest inclination: no overturning with 13 discs of 10 Kg.

Positioning of chair components: as specified in Table 1 of EN 1335-3

Forwards overturning

Horizontal force : 20 N does not overturn

Front edge overturning

Horizontal force : 27 kg does not overturn

Rearwards overturning

Fixed back chair

Horizontal force : //

Chair with back rest inclination

Loading discs on the seat : 13 does not overturn

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 : //

Note: The test has been carried out after the functional load on the arm rest.

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*Marketing Director
Dr. Andrea Giavon*

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TEST REPORT

136385 / 7

Date received: 23-01-12
Date of test: 27-02-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

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

Rolling resistance of unloaded chair EN 1335-3:2009 AC:2009, clause 7.4

Rolling resistance of unloaded chair, clause 7.4

Type of castors: H
Test surface: steel floor
Test speed: 50 mm/s
Seat height: lowest position

Test results:

| Measured resistance of castors N | Minimum allowed resistance N | Remarks |
|-------------------------------------|---------------------------------|------------|
| 23,5 | 12 | No defects |

Unless otherwise specified, measurement uncertainty expanded to a confidence level of about 95% are $\pm 2,0$ N.

The measurement uncertainties stated in this document have been determined according to UNI CEI ENV 13005:2000. They were estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally k=2.

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