

Document ID: 331777_R00
Date of sample receipt: 23/06/22
Date of issue: 12/07/22

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Sample name: BLUME SYSTEM

SAMPLE N° 331777

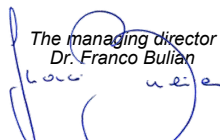
Overall dimensions: 1290 x 360 x 1255 (h) mm

List of test reports:

1. Safety requirements EN 16121:2013 + A1:2017 clause 5.2 - 5.3 - 5.4 - 5.5
2. Non domestic storage furniture: information for use EN 16121:2013 + A1 2017, clause 7
3. Shelf retention - horizontal outward force EN 16122:2012 + AC:2015, clause 6.1.2
4. Shelves retention - vertical downward force EN 16122:2012 + AC:2015, clause 6.1.3
5. Strength of shelf supports EN 16122:2012 + AC:2015, par. 6.1.5
6. Strength of the structure EN 16122:2012 + AC:2015, clause 6.4.1
7. Drop test EN 16122:2012 + AC:2015, clause 6.4.2
8. Deflection of shelves EN 16122:2012 + AC:2015, clause 6.1.4



This document is part of a PDF file digitally signed by Franco Bulian.

*The managing director
Dr. Franco Bulian*


The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

331777 / 1

Revision: 0
Date of sample receipt: 23/06/22
Date of test: 24/06/22
Date of issue: 12/07/22



Sample name: BLUME SYSTEM

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Safety requirements EN 16121:2013 + A1:2017 clause 5.2 - 5.3 - 5.4 - 5.5

5.2 General safety requirements

Requirements	Observed	Remarks
The accessible parts are rounded or chamfered, and all other edges accessible during intended use are free from burrs and sharp edges	Yes	None
Feet of tubular components shall be capped or otherwise closed.	Yes	None
Open ends of tubular components, accessible during intended use, are capped or otherwise closed.	Yes	None
Movable and adjustable parts: designed so that injuries and inadvertent operation are avoided.	/	Absence of movable and adjustable parts
Load bearing part: shall not be possible to come loose unintentionally	Yes	None
Parts which are lubricated: designed to protect users from lubricant stains when in normal use.	/	Absence of lubricated parts
All roll fronts and doors sliding vertically including those constructed from hinged elements shall not move by themselves from any position higher than 200 mm measured from the closed position if this can cause any injury.	/	Absence of roll fronts and doors sliding vertically
The safety height for vertically moving units: at least 100 mm from the floor.	/	Absence of vertically moving units
All extension elements and trays whose total mass exceeds 10 kg but where the safety tests are not required shall have effective open stops, they shall resist being pulled out of the unit once by a horizontal force of 200 N.	/	Absence of extension elements

5.3.2 Shear and squeeze points under influence of powered mechanism

Requisiti	Observed	Osservazioni
Absence of shear and squeeze points created by parts of the storage unit operated by powered mechanisms, i.e. springs, gas lifts and motorised systems.	/	Absence of powered mechanism

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian
(Handwritten signature)

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT **331777 / 1 rev. 0**
Date of issue: 12/07/22
Sample name: BLUME SYSTEM

5.3.3 Shear and squeeze points during use

Requirements	Observed	Remarks
Absence of shear and squeeze points created by forces applied during normal use (see Table 2 and Table 3).	Yes	None

5.4 Hinged horizontal lids

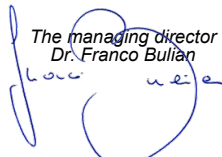
Requirements	Observed	Remarks
Horizontal lids that are 1000 mm or less from the floor and weigh 0,25 kg or more, that are hinged, shall be provided with lid-support mechanisms to prevent sudden collapse or dropping of the lid. The lid-support mechanism shall to comply to the requirements decribed at point 5.4. It shall confirm to this requirements before and after being tested to the durability of flaps test, as described in Table 5.	/	Absence of horizontal lids

5.5 Vertical glass components

Requirements	Observed	Remarks
Any external, vertical glass component $\geq 0,1$ m ² in area, where the smallest dimension is greater than or equal to 200 mm and any part of which is less than 900 mm above the floor, shall not break or become detached when tested according to EN 14072:2003 Clause 5 and EN 16121:2013 Clause 5.5. The glass fulfils the fragmentation test requirements of EN 12150-1:2000, Clause 8, or has a mode of breakage (β) according to EN 12600:2002, Type B o Type C.	/	Absence of vertical glass component

The test result complies with the requirements in clause 5.2, 5.3, 5.4 and 5.5 of EN 16121:2013 + A1:2017

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian


TEST REPORT

331777 / 2

Revision: 0
Date of sample receipt: 23/06/22
Date of test: 12/07/22
Date of issue: 12/07/22



Sample name: BLUME SYSTEM

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Non domestic storage furniture: information for use EN 16121:2013 + A1 2017, clause 7

Information checked	Remarks
Information for use shall be available in the language of the country in which it will be delivered to the end user (Valuated only English and Italian languages)	Italian and English languages
a) Information regarding the intended use	Present
b) Assembly instructions, where applicable	Present
c) Instruction for the care and maintenance of the furniture	Present

Note: The test result complies with the requirements in clause 7 of EN 16121:2013 + A1:2017.

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

331777 / 3

Revision: 0
Date of sample receipt: 23/06/22
Date of test: 24/06/22
Date of issue: 12/07/22



Sample name: BLUME SYSTEM

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Shelf retention - horizontal outward force EN 16122:2012 + AC:2015, clause 6.1.2

Shelf dimensions: 1290 x 322 x 10 mm

Shelf material: Wood based panel

Shelf weight: 6,1 kg

Shelf total mass: 68,4 kg

Centre of gravity: 1250 mm

Test results:

Horizontal force applied (N)	Remarks
30,5	None

Note: the test has been carried out according to table 4 of EN 16121:2013+A1:2017.

The test results comply with the requirements in clause 5.7.2 (a,b) of EN 16121:2013+A1:2017

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

331777 / 4

Revision: 0
Date of sample receipt: 23/06/22
Date of test: 24/06/22
Date of issue: 12/07/22



Sample name: BLUME SYSTEM

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Shelves retention - vertical downward force EN 16122:2012 + AC:2015, clause 6.1.3

Shelf dimensions: 1290 x 322 x 10 mm

Shelf material: Wood based panel

Shelf weight: 6,1 kg

Shelf total mass: 68,4 kg

Centre of gravity: 1250 mm

Test results:

Vertical force applied (N)	Remarks
100	None

Note: the test has been carried out according to table 4 of EN 16121:2013+A1:2017.

The test results comply with the requirements in clause 5.7.2 (a,b) of EN 16121:2013+A1:2017

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

331777 / 5

Revision: 0
Date of sample receipt: 23/06/22
Date of test: 24/06/22
Date of issue: 12/07/22



Sample name: BLUME SYSTEM

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Strength of shelf supports EN 16122:2012 + AC:2015, par. 6.1.5

Shelf dimensions: 1290 x 322 x 10 mm

Shelf material: Wood based panel

Shelf weight: 6,1 kg

Shelf total mass: 68,4 kg

Centre of gravity: 1250 mm

Type of supports: Metal structural supports

Number of supports: 4

Test results:

Load on shelf (kg)	Mass of impact plate (kg)	Number of impact for each support	Remarks
27,0	1,7	10	None

Note: the test has been carried out according to table 4 of EN 16121:2013+A1:2017.

The test results comply with the requirements in clause 5.7.2 (a,b) of EN 16121:2013+A1:2017

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian
(Handwritten signature)

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

331777 / 6

Revision: 0
Date of sample receipt: 23/06/22
Date of test: 24/06/22
Date of issue: 12/07/22



Sample name: BLUME SYSTEM

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Strength of the structure EN 16122:2012 + AC:2015, clause 6.4.1

Overall dimensions: 1290 x 360 x 1255 (h) mm

Load on unit: 249,2 kg

Test results:

Force application point	Horizontal force (N)	Number of cycles	Height of force application point (mm)	Remarks
A	350	10	1205	No defects
B	350	10	1205	No defects
C	350	10	1205	No defects
D	350	10	1205	No defects

Note: the test has been carried out according to table 4 of EN 16121:2013+A1:2017.

The test results comply with the requirements clause 5.7.2 of EN 16121:2013+A1:2017.

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

331777 / 7

Revision: 0
Date of sample receipt: 23/06/22
Date of test: 24/06/22
Date of issue: 12/07/22



Sample name: BLUME SYSTEM

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Drop test EN 16122:2012 + AC:2015, clause 6.4.2

Overall dimensions: 1290 x 360 x 1255 (h) mm

Test results:

Force required to lift right side N	Drop height mm	Number of cycles	Remarks
150	50	6	None

Force required to lift left side N	Drop height mm	Numero di cadute	Remarks
150	50	6	None

Note: The test has been carried out according to tab.5 of EN 16121:2013 Level 2.

The test results comply with the requirements in clause 6.2 (a,b,d) of EN 16121:2013 + A1:2017

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

331777 / 8

Revision: 0
Date of sample receipt: 23/06/22
Date of test: 24/06/22
Date of issue: 12/07/22



PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Sample name: BLUME SYSTEM

Deflection of shelves EN 16122:2012 + AC:2015, clause 6.1.4

Shelf dimensions: 1290 x 322 x 10 mm
Shelf material: wood based panel
Distance between supports (span): 1.075 mm
Maximum allowable underload deflection: 5,38 mm (0,5 % of span)
Nominal load: 2 kg/dm²

Test results:

Load on the shelf kg	Load application time Days	Under load deflection mm	Under load deflection %	Remarks
83,1	7	2,1	0,20	None

Note: the test has been carried out according to table 5 of EN 16121:2013 + A1:2017 Test level: 2
The test results comply with the requirements in clause 6.2 (a,b,d,e) of EN 16121:2013 + A1:2017

Unless otherwise specified, measurement uncertainties expanded to a confidence level of about 95% are $\pm 0,1$ mm for linear measures.

The measurement uncertainties stated in this document have been determined according to UNI CEI 70098-3:2016.

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.

This test report is part of a PDF file digitally signed by Franco Bulian.

The managing director
Dr. Franco Bulian
(Handwritten signature)

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.