

CERTIFICADO DE ENSAYO nº 231.Y.1910.545.ES.01

Referencias: 1905067-02, 1907067-02, 1911064-05, 1905067-03, 1905175-01 - C

PRODUCTO: SILLA ALETA BASE PIRAMIDE CON RUEDAS

EMPRESA: **VICCARBE HABITAT, S.L.**
PG. Norte, C/Travesía 1 al camí Racó S/N
46469 BENIPARRELL (VALENCIA)
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ENSAYO: Adecuación a las siguientes normas:
ANSI/BIFMA X5.4-2012 Lounge and Public Seating. Test. **UNE-EN 16139:2013vc2015** Mobiliario. Resistencia, durabilidad y seguridad. Requisitos para asientos de uso no doméstico.

RESULTADO: Las muestras ensayadas cumplen con las especificaciones establecidas por las normas ANSI BIFMA X5.4-2012 para asientos individuales tipo C, y con UNE-EN 16139:2013vc2015 para asientos de uso no doméstico, nivel 1 uso general, en los siguientes ensayos aplicables al producto:

ENSAYOS		RESULTADO
ANSI/BIFMA X5.4-2012	4 Tipo de asiento (Individual)	Tipo C
	5. Carga estática horizontal sobre respaldo. (Fh ₁ = 667N, Fh ₂ = 1 112N) 7. Durabilidad horizontal del respaldo. (Fh = 334N, N = 120 000 ciclos) 14. Durabilidad de asiento. (M= 57kg, h = 30mm, N = 100 000 ciclos) 15. Impacto único. (h = 152mm, M ₁ = 102kg, M ₂ = 136kg) 18. Ruedas. Durabilidad. (M = 113kg, n = 25 500 ciclos) 21.3 y 21.5. Estabilidad trasera y delantera	CORRECTO CORRECTO CORRECTO CORRECTO CORRECTO ESTABLE
UNE-EN 16139:2013 vc2015	4. Requisitos generales de seguridad	CORRECTO
	4.3. Estabilidad sillas giratorias (vuelco delantero, estabilidad en la esquina, vuelco lateral y trasero) UNE EN 1022:2019 4.5. Seguridad construcción / 5. Requisitos de seguridad, resistencia y durabilidad 1. Carga estática sobre asiento y respaldo (Fv = 1 600N, Fh=560N, n = 10 veces) 2. Carga estática s/borde delantero del asiento (Fv = 1 300N, n = 10 veces) 3. Carga estática vertical sobre el respaldo (Fv = 600N, Q= 1300N, n = 10 veces) 8. Durabilidad del asiento y respaldo (Fv = 1 000N, Fh= 334N, n = 120 000 ciclos) 9. Durabilidad del borde delantero del asiento (Fv = 800N, n= 50 000 ciclos) Anexo C Requisitos dimensionales para sillas de confidente	ESTABLE CORRECTO CORRECTO CORRECTO CORRECTO CORRECTO CONFORME

Valencia, 19 de noviembre de 2019

P.A.


AIDIMME

Fdo. José Emilio Nuévalos
Laboratorio de Muebles y Productos
Jefe de Sección

El presente certificado únicamente concierne a las muestras ensayadas por el Laboratorio de AIDIMME.

Los resultados particulares del ensayo se encuentran descritos en los informes técnicos Nº 231.I.1911.609.ES.01 de fecha 14/11/2019, Nº 231.I.1907.421.EN.01 de fecha 08/07/2019 y Nº 231.I.1907.429.ES.01 de fecha 11/07/2019.

AIDIMME es miembro de INNOVAWOOD, la Red Europea de Innovación para la Industria Forestal, de la Madera y el Mueble, entre cuyos miembros se encuentran: BRE-CTTC (Reino Unido), COSMOB (Italia), DTI (Dinamarca), FCBA (Francia), ITD (Polonia), SHR (Holanda), SP (Suecia), TRADA-FIRA (Reino Unido), University of Zagreb (Croacia), WKI (Alemania).

TEST CERTIFICATE n. 231.X.1907.421.EN.01

References: 1905067-03, 1907067-01, 1905175-01 –Ci

PRODUCT: ALETA CHAIR
PYRAMID SWIVELLING BASE

COMPANY: VICCARBE HABITAT, S.L.
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TEST: Compliance with the following standards:
ANSI/BIFMA X5.4-2012 Lounge and Public Seating. Test. **UNE-EN 16139:2013vc2015** Furniture. Strength, durability and safety. Requirements for non-domestic seating.

RESULT: Satisfactorily complies with the specifications set by the ANSI/BIFMA X5.4-2012, for single types C seats and UNE-EN 16139:2013vc2015 for non-domestic use seats, level 1 general use, according to the following tests:

	TESTS	RESULT
ANSI/BIFMA X5.4-2012	4.Types of Lounge Seating (simple seat)	Type C
	5. Backrest horizontal static load test (F ₁ = 667 N, F ₂ = 1 112 N)	CORRECT
	7. Backrest durability test. Horizontal (F _h = 334 N, n = 120 000 cycles)	CORRECT
	14.Seating durability test (M = 57 kg, h = 30 mm., n = 100 000 cycles)	CORRECT
	15. Impact test (h = 152 mm., M ₁ = 102 kg, M ₂ = 136 kg)	CORRECT
	18. Casters base durability test (M = 113kg, n = 25 500 cycles)	CORRECT
	21.3 & 21.5 Front and rear stability test	STABLE
UNE-EN 16139:2013 vc2015	4. Safety. General requirements	CORRECT
	4.3. Swivelling chairs stability (forwards overturning, corner stability, sideways and rearwards overturning) UNE EN 1022:2019	STABLE
	4.5. Safety of the construction / 5. Strength, Durability and Safety Requirements:	
	1. Seat and back static load test (F _v = 1 600N, F _h = 560N, 10 times)	CORRECT
	2. Seat front edge static load test (F _v = 1 300N, 10 times)	CORRECT
	3. Vertical static load on back (F _v = 600N, Q= 1300N, n = 10 times)	CORRECT
	8. Seat and back durability test (F _v =1 000N, F _h =334N, n=120 000 cycles)	CORRECT
	9. Seat front edge durability test (F _v = 800N, n = 50 000 cycles)	CORRECT
	Annex C Dimensional requirements for office visitor chairs	CORRECT

Valencia, November 19, 2019

P.A.




Signed: José Emilio Nuévalos
Furniture and Products Laboratory
Head of Section

This certificate only refers to the samples tested by the AIDIMA laboratory.

The particular results of the tests are described in technical reports N° 231.I.1907.421.EN.01 dated on 08/07/2019 and N° 231.I.1907.429.ES.01 dated on 11/07/2019.

AIDIMME is a member of INNOVAWOOD, The European Network of Research and Training for the Forest, Wood and Furniture Industry, among whose members are: BRE-CTTC (United Kingdom), COSMOB (Italy), DTI (Denmark), FCBA (France), ITD (Poland), SHR (Holland), SP Trätekt (Sweden), TRADA-FIRA (United Kingdom), University of Zagreb (Croatia), WKI (Germany).

TEST CERTIFICATE n. 231.Y.1907.421.EN.01

References: 1905067-04, 1905067-03, 1905175-01 –Ci

PRODUCT: ALETA CHAIR
FLAT SWIVELLING BASE

COMPANY: VICCARBE HABITAT, S.L.
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TEST: Compliance with the following standards:
ANSI/BIFMA X5.4-2012 Lounge and Public Seating. Test. **UNE-EN 16139:2013vc2015**
Furniture. Strength, durability and safety. Requirements for non-domestic seating.

RESULT: Satisfactorily complies with the specifications set by the ANSI/BIFMA X5.4-2012, for single types C seats and UNE-EN 16139:2013vc2015 for non-domestic use seats, level 1 general use, according to the following tests:

TESTS		RESULT
ANSI/BIFMA X5.4-2012	4.Types of Lounge Seating (simple seat)	Type C
	5. Backrest horizontal static load test (Fh ₁ = 667 N, Fh ₂ = 1 112 N) 7. Backrest durability test. Horizontal (Fh= 334 N, n = 120 000 cycles) 14.Seating durability test (M = 57 kg, h = 30 mm., n = 100 000 cycles) 15. Impact test (h = 152 mm., M ₁ = 102 kg, M ₂ = 136 kg) 21.3 & 21.5 Front and rear stability test	CORRECT CORRECT CORRECT CORRECT STABLE
UNE-EN 16139:2013 vc2015	4. Safety. General requirements	CORRECT
	4.3. Swivelling chairs stability (forwards overturning, corner stability, sideways and rearwards overturning) UNE EN 1022:2019 4.5. Safety of the construction / 5. Strength, Durability and Safety Requirements: 1. Seat and back static load test (Fv = 1 600N, Fh = 560N, 10 times) 2. Seat front edge static load test (Fv = 1 300N, 10 times) 3. Vertical static load on back (Fv = 600N, Q= 1300N, n = 10 times) 8. Seat and back durability test (Fv=1 000N, Fh=334N, n=120 000 cycles) 9. Seat front edge durability test (Fv = 800N, n = 50 000 cycles) Annex C Dimensional requirements for office visitor chairs	STABLE CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT

Valencia, November 19, 2019

P.A.




Signed: José Emilio Nuévalos
Furniture and Products Laboratory
Head of Section

This certificate only refers to the samples tested by the AIDIMA laboratory.

The particular results of the tests are described in technical reports N° 231.I.1907.421.EN.01 dated on 08/07/2019 and N° 231.I.1907.429.ES.01 dated on 11/07/2019.

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TEST CERTIFICATE Nº 231.Z.1903.133.EN.01

Reference: 1905067-01, 1906097-01-Ci

PRODUCT: ALETA CHAIR WOODEN BASE

COMPANY: VICCARBE HABITAT, S.L.
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TEST: Compliance with the following standard:
UNE-EN 16139:2013 vc2015 Furniture. Strength, durability and safety. Requirements for non domestic seating.

RESULT: Satisfactorily complies with the specifications set by the UNE-EN 16139:2013 vc2015, level 1, according to the following tests,

TESTS	RESULT
4. Safety. General requirements 4.3. Determination of stability (front, corner, side and rear EN 1022:2018) 4.5. Safety of the construction: Test 1. Seat and back static load test (Fv=1600 N, Fh =560 N, 10 times) Test 2. Seat front edge static load test (Fv= 1300 N, 10 times) Test 3. Vertical static load on back (Fv = 1300 N, Q = 600 N, 10 times) Test 8. Seat and back durability test (Fv =1 000 N, Fh =300 N, n= 100 000 cycles) Test 9. Seat front edge durability test (Fv = 800 N, n= 50 000 cycles) Test 12. Leg forward static load test (Q = 1 000 N, Fh = 500 N, 10 times) Test 13. Leg sideways static load test (Q = 1 000 N, Fh = 400 N, 10 times) Test 14. Seat impact test (h= 240 mm., 10 times) Test 15. Back impact test ($\alpha= 38^\circ$, h= 210 mm., 10 times) Annex C Dimensional requirements for office visitor chairs	CORRECT STABLE CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT

Valencia, July 12, 2019



Signed. José Emilio Nuévalos
 Head of Furniture Laboratory

This certificate only refers to the samples tested by the AIDIMME laboratory.
 The particular results of the tests are described in technical report Nº231.I.1907.418.ES.01 dated on 07/3/2019

AIDIMME is a member of INNOVAWOOD, The European Network of Research and Training for the Forest, Wood and Furniture Industry, among whose members are: BRE-CTTC (United Kingdom), COSMOB (Italy), DTI (Denmark), FCBA (France), ITD (Poland), SHR (Holland), SP TräteK (Sweden), TRADA-FIRA (United Kingdom), University of Zagreb (Croatia), WKI (Germany).