

TEST CERTIFICATE N. 231.Z.2102.074.EN.01

References: 2101134-01, 2101134-02, 2103286-01-Ci

PRODUCT: FUNDA LOUNGE CHAIR AND CHAIR

COMPANY: VICCARBE HABITAT, S.L.

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TEST: Compliance with the following standards:
ANSI/BIFMA X5.4-2020 Public and Lounge 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 X5.4-2020, for single types A seats and UNE-EN 16139:2013vc2015 for non-domestic use seats, level 1 general use, according to the following tests:

TESTS		RESULT
ANSI/BIFMA X5.4-2020	4. Type of chair (simple seat)	Style A
	5. Backrest horizontal static load test (Fh1= 667N, t=1 min. Fh2 = 1112N, t=10 sec)	CORRECT
	7. Backrest durability Test. Horizontal. (Fh= 334 N, n= 120.000 cycles)	CORRECT
	9. Arm strength test. Horizontal. (Fh1 outward-inward=445N/592N, t=1min Fh2 outward-inward = 667N/890N, t=10'')	CORRECT
	10. Arm strength test. Vertical. (Fv1 = 750 N/ 890 N, t=1 min. Fv2= 1125 N / 1335 N, t=1 min)	CORRECT
	13. Arm durability test. Angular. Cyclic (single seats). (F = 400N, n = 60 000 cycles)	CORRECT
	14. Seating durability test (M= 57 kg, h= 30 mm, n= 100.000 cycles)	CORRECT
	15. Impact test (h=152 mm, M1=102 kg, M2=136 kg)	CORRECT
	16. 3 Leg forward static load test (Fh1= 334N t=1 min, Fh2= 503N t =10 sec)	CORRECT
	16. 4 Leg sideways static load test (Fh1= 334N t= 1min, Fh2= 503N t = 10 sec)	CORRECT
	17. Unit drop test – Dynamic (h = 180 mm, n= 2 times)	CORRECT
	21.3 & 21.5 Front and rear stability test	STABLE
	24. Structural durability test (Q= 109kg, Fh 334N, n= 25.000 cycles)	CORRECT
UNE-EN 16139:2013 vc2015	4.1. – 4.2 Safety. General requirements and Shear and squeeze points	APPROVED STABLE
	STABILITY 7.3.– Test procedures, all seating (UNE EN 1022:2019)	
	(7.3.1.Forwards overturning; 7.3.3. Corner stability test; 7.3.5. Sideways overturning, all other seating; 7.3.6. Rearwards overturning all seating with back rests)	
	5. Strength, Durability and Safety Requirements:	
	Test 1. Seat and back static load test (Fv=1600 N, FH=560 N, 10 times)	CORRECT
	Test 2. Seat front edge static load test (Fv= 1300 N, 10 times)	CORRECT
	Test 3. Vertical static load on back (Fv = 1300 N, FV= 600 N, 10 times)	CORRECT
	Test 5. Arm sideways static load test (Fh = 400 N, n = 10 times)	CORRECT
	Test 6. Arm downwards static load test (Fv = 750 N, n = 5 times)	CORRECT
	Test 8. Seat and back durability test (Fv = 1 000 N, FH =334 N, n= 120 000 cycles)	CORRECT
	Test 9. Seat front edge durability test (Fv = 800N x2, n= 50 000 cycles)	CORRECT
	Test 10. Arm fatigue test (Fv= 400 N, n= 30 000 cycles)	CORRECT
	Test 12. Leg forward static load test (Fv = 1 000 N, FH = 500 N, 10 times)	CORRECT
	Test 13. Leg sideways static load test (Fv = 1 000 N, FH = 400 N, 10 times)	CORRECT
	Test 14. Seat impact (h= 240 mm, 10 times)	CORRECT
	Test 16. Arm impact test (α= 38°, h= 330 mm, 10 times)	CORRECT
	Annex A.2 – Backward fall test (n= 5 times)	APPROVED

Paterna, March 31, 2021

P.A.

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

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

The particular results of the tests are described in technical reports N. 231.I.2102.078.ES.01 dated on 11/02/2021 and N. 231.I.2103.161.ES.01 dated on 30/03/2021.

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