

## TEST CERTIFICATE Nº 230.Y.1610.582.EN.01

References: 1608012-01, 02, 03, 04, 1611077-02, 1703119-02, 03-Ci

**PRODUCT:** SISTEMA Modular Sofa

**COMPANY:** VICCARBE HABITAT, S.L.  
 PG. Norte, C/Travesía 1 al camí Racó S/N  
 46469 BENIPARRELL (VALENCIA) SPAIN  
 Phone: 34 9612010 - Fax: 34961211211  
[www.viccarbe.com](http://www.viccarbe.com)



**TEST:** Compliance with the following standards:  
**ANSI/BIFMA X5.4-2012** Lounge and Public Seating. Test. **UNE-EN 16139:2013** 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 and multiple type A and C seats, and **UNE-EN 16139: 2013** for non-domestic use seats, level 1 general use, according to the following tests,

TESTS		RESULT	
<b>ANSI/BIFMA X5.4-2012</b>	4.Types of Lounge Seating (single and multiple seats)	Type A and Type C	
	5. Backrest horizontal static load test (Fh1 = 667 N, Fh2 = 1112 N, t = 1 min.)	CORRECT	
	6. Backrest vertical static load test (Fv1 = 890N, Fv2 = 1334N, t = 1 min.)	CORRECT	
	7. Backrest durability Test. Horizontal (Fh1 = 334 N, Fv = 192 Kg, n = 120.000 cycles)	CORRECT	
	8. Backrest durability test. Vertical (Fv = 890N, n = 10 000 cycles)	CORRECT	
	9. Arm Strength test. Horizontal static load (Fh1 = 592N, Fh2 = 890N, t = 1min.)	CORRECT	
	10. Arm Strength test. Vertical static load (Fv1= 890N, Fv2 = 1 335N, t = 1 min.)	CORRECT	
	11. Arm durability Test – Horizontal (Fh = 445N, n = 50 000 cycles)	CORRECT	
	12. Arm durability Test - Vertical (Fv = 667N, n = 10 000 cycles)	CORRECT	
	13. Arm durability test. (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- 16.4 Leg forward and sideways static load test (Fh1 = 334 N, Fh2 = 503 N, t =1 min.)	CORRECT	
	17. Unit drop test. (h = 120mm n = 2)	CORRECT	
	21.3 & 21.5 Front and rear stability test	STABLE	
	<b>UNE-EN 16139:2013</b>	4. Safety. General requirements	CORRECT
		4.3. Determination of stability (front , side, rear )	STABLE
4.5. Safety of the construction:			
1. Seat and back static load test (Fv = 1 600N, Fh = 560N, 10 times)		CORRECT	
2. Seat front edge static load test (Fv = 1 300N, 10 times)		CORRECT	
3. Vertical static load on back (F = 600N, Q = 130Kg. 10 times)		CORRECT	
5. Arm sideways static load test (Fh = 400N, 10 times)		CORRECT	
6. Arm downwards static load test (Fv = 750N, 10 times)		CORRECT	
8. Seat and back durability test (Fv =1 000N, Fh = 334N, n = 120 000 cycles)		CORRECT	
9. Seat front edge durability test (Fv = 800N, n = 50 000 cycles)		CORRECT	
10. Arm durability test (F = 400N, n= 30 000 cycles)		CORRECT	
12. Leg forward static load test (Q = 1 000 N, Fh = 500 N, 10 times)		CORRECT	
13. Leg sideways static load test (Q = 1 000 N, Fh = 400 N, 10 times)		CORRECT	
14. Seat impact test (h = 240 mm., 10 times)		CORRECT	
15.Back impact test (α = 38°, h = 210 mm., 10 times)		CORRECT	
16. Arm impact test (α = 38°, h = 210 mm., 10 times)		CORRECT	

Paterna, June 29, 2017

Signed, José Emilio Nuevalos  
 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 reports: N. 230.I.1702.126.ES.01 dated 02/16/2017, N 230.I.1703.231.ES.01 dated 03/28/2017 and N 230.I.1703.233.ES.01 dated 03/31/2017

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