

## TEST CERTIFICATE Nº 231.Z.1806.327.EN.01

References: 1805082-03, 04, 1807146-06, 07, 1701152-01, 1706249-02 -Ci

**PRODUCT:** KLIP SWIVEL STOOLS

**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 16139:2013vc2015** 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 A and C seats and UNE-EN 16139:2013vc2015 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 (simple seat)	Type A and Type C
	5. Backrest horizontal static load test (Fh <sub>1</sub> = 667 N, Fh <sub>2</sub> = 1 112 N, t = 1 min.)	CORRECT
	7. Backrest durability test. Horizontal (Fh = 334 N, Fv = 102 Kg, n = 120 000 cycles)	CORRECT
	9. Arm Strength test. Horizontal static load (Fh <sub>1</sub> = 445N, Fh <sub>2</sub> = 667N, t=1 min)	CORRECT
	10. Arm Strength test. Vertical static load (Fv <sub>1</sub> = 750N, Fv <sub>2</sub> = 1125N, t=1 min.)	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., M <sub>1</sub> = 102 kg, M <sub>2</sub> = 136 kg)	CORRECT
	19. Swivel Test (M = 113kg, n = 120.000 cycles)	CORRECT
	21.3 & 21.5 Front and rear stability test	STABLE
<b>UNE-EN 16139:2013 vc2015</b>	4. Safety. General requirements	CORRECT
	4.3. Determination of stability (front , side, rear, foot rest)	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
	4. Foot rest static load test (Fv = 1 300 N, n = 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= 60 000 cycles)	CORRECT
	11. Foot rest durability test (Fv= 1 000 N, n= 50 000 cycles)	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, September 3, 2018



Jose Emilio Nuévalos

Head of Furniture and Products Laboratory

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

The particular results of the tests are described in technical reports Nº 231.I.1807.415.ES.01 dated on 7/31/2018, Nº230.I.1708.495.ES.01 dated on 8/31/2018 and Nº230.I.1702.151.ES.01 dated on 2/17/2017.

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