AIDIMME
Technology Institute

TEST CERTIFICATE N. 231.X.2510.413.EN.01

References: 2505193-03, 2510237-01, 2505193-04–Ci

PRODUCT: **MADISON WOODEN CHAIR**

COMPANY: **VONDOM, S.L.U.**
Polígono 6, nº 16
46293 Beneixida - Valencia (Spain)
www.vondom.com

TEST: Compliance with the following standards:
UNE-EN 581-1: 2017 & **UNE EN 581-2:2016/AC 2016** Outdoor furniture. Seating and tables for camping, domestic and contract use. Part 1: General safety requirements. Part 2: Mechanical safety requirements and test methods for seating. **ANSI/BIFMA X5.4-2020** Public and Lounge Seating. Test.

RESULT: Satisfactorily complies with the specifications set by UNE-EN 581-1:2017 and UNE EN 581-2:2016/AC 2016 for outdoor seating for public use and ANSI/BIFMA X5.4-2020 for single type A seats, according to the following tests applicable to the product:

	TEST	RESULT
ANSI/BIFMA X5.4-2020	4. Type of chair (single seating)	Style A
	5. Backrest horizontal static load test. (Fh_1= 667N, t=1 min. Fh_2 = 1112N, t =10 sec)	CORRECT
	7. Backrest durability Test. Horizontal. (Fh= 334 N, n= 120 000 cycles)	CORRECT
	9. Arm strength test. Horizontal. (Fh_1 = 445N, t = 1 min. Fh_2 = 667N, t = 10 sec)	CORRECT
	10. Arm strength test. Vertical. (F_{v1} = 750 N, t = 1 min. F_{v2}= 1125 N, 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_1 = 102 kg, M_2 = 136 kg)	CORRECT
	16. 3 Leg forward static load test. (Fh_1= 334N, t=1 min, Fh_2= 503N, t =10 sec)	CORRECT
	16. 4 Leg sideways static load test. (Fh_1= 334N, t= 1min, Fh_2= 503N, t = 10 sec)	CORRECT
	17. Unit drop test. (h = 180 mm, n= 2 times)	CORRECT
	21.3 & 21.5 Front and rear stability test	STABLE
	24. Structural durability test	CORRECT
UNE EN 581-1:2017	Safety requirements. General.	APPROVED
	Holes in rigid/tubular components. Shear and squeeze points.	APPROVED
	Stability (forwards; sideways & rearwards overturning) UNE EN 1022:2024	STABLE
UNE EN 581-2:2016 /AC 2016	Safety, Strength and Durability Requirements	
	Seat and back static load test (F_V = 2000N, F_H = 560N, n = 10 times)	CORRECT
	Seat front edge static load test (F_V = 1300 N, n = 10 times)	CORRECT
	Seat and back fatigue test (F_V = 1000 N, F_H = 333 N, n = 50 000 cycles)	CORRECT
	Arm fatigue test (Fv= 400 N, n= 30 000 cycles)	CORRECT
	Leg forward static load test (Fv = 1 000 N, F_H= 400 N, 10 times)	CORRECT
	Leg sideways static load test (Fv = 1 000 N, F_H= 300 N, 10 times)	CORRECT
	Seat impact test (h= 240 mm, 10 times)	CORRECT
	Arm impact test (h= 240 mm, n= 10 times)	CORRECT

Paterna, December 12, 2025

AIDIMME
INSTITUTO TECNOLÓGICO

Rubén Niñerola, PhD
ADVANCED PRODUCT EVALUATION SERVICES
Area Manager

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

The particular results of the tests are described in technical report n. 231.I.2511.490.ES.01 dated on 24/11/2025.

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