

TEST CERTIFICATE N. 231.X.2204.216.EN.01

References: 2202210-11, 12, 2206199-03-Ci

PRODUCT: VOXEL STOOL

COMPANY: VONDOM, S.L.U.
POLÍGONO 6, 16
46293 BENEIXIDA (VALÈNCIA) SPAIN
www.vondom.com



TEST: Compliance with the following standards for outdoor furniture public use:
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 Lounge and Public Seating. Test

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

	TEST	RESULT
ANSI/BIFMA X5.4-2020	4. Type of chair (single seating) 5. Backrest horizontal static load test. $F_{h1} = 667 \text{ N}$, $t = 1 \text{ min}$. $F_{h2} = 1112 \text{ N}$, $t = 10 \text{ sec}$ 7. Backrest durability Test. Horizontal. ($F_h = 334 \text{ N}$, $n = 120\,000 \text{ cycles}$) 14. Seating durability test (M = 57 kg, h = 30 mm, n = 100 000 cycles) 15. Impact test. (h = 152 mm, $M_1 = 102 \text{ kg}$, $M_2 = 136 \text{ kg}$) 21.3 – 21-5 Front and rear stability test 27. Footrest static load test for stools. Vertical ($F_1 = 445 \text{ N}$, 1 min + ΔF_1 to 890 N, n=1 time, t = 1 min ; $F_1 = 1334 \text{ N}$, n = 1 time, t = minimum 10 sec) 28. Footrest durability test for stools. Vertical ($F_v = 890 \text{ N}$, n = 50 000 cycles)	Style C CORRECT CORRECT CORRECT CORRECT STABLE CORRECT CORRECT
UNE EN 581-1:2017 UNE EN 581-2:2016 /AC 2016	UNE EN 581-1:2017 - General safety requirements Stability (forwards; sideways & rearwards overturning; corner stability) UNE EN 1022:2019 UNE EN 581-2:2016/AC 2016: §. 7.1. General §. 7.2. Safety, Strength and Durability Requirements Test 1 Seat and back static load test ($F_v = 2000 \text{ N}$, $F_h = 560 \text{ N}$, n = 10 + 1) Test 2 Seat front edge downwards static load test ($F_v = 1300 \text{ N}$, n = 10 times) Test 3 Seat and back fatigue test ($F_v = 1000 \text{ N}$, $F_h = 333 \text{ N}$, n = 50 000 cycles) Test 7 Leg forward static load test (M = 100kg, $F_h = 270 \text{ N}$, n=10 times) Test 8 Leg sideways static load test (M = 100 kg, $F_h = 300 \text{ N}$, n = 10 times) Test 9 Seat impact test (M = 25 kg, h = 240 mm, n = 10 times) Test 10 Footrest static load test ($F_v = 1200 \text{ N}$, n = 10 times) §. 8. Information for use: 8.1 General Annex B Informative: Purchase information	APPROVED STABLE APPROVED CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT

Paterna, August 2, 2022



Signed: José Emilio Nuévalos
Head of Furniture and Products
Laboratory

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.2207.400.ES.01 dated on 27/07/2022.

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