

TEST CERTIFICATE n. 231.Z.2209.508.EN.01

References: 2207208-01, 2210166-01, 2211250-01– C-i

PRODUCT: BEE CHAIR




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TEST: Compliance with the following standards:
UNE EN 581-1:2017 Outdoor furniture. Seating and tables for camping, domestic and contract use. Part 1: General safety requirements.
UNE EN 581-2:2016/AC2016 Outdoor furniture. Seating and tables for camping, domestic and contract use. Part 2: Mechanical safety requirements and test methods for seating.
UNE EN 16139:2013vc2015 Furniture. Strength, durability and safety. Requirements for non-domestic seating.

RESULT: The model tested satisfactorily fulfills the specifications for the standards applied for a level L1 **general public use** in the following tests:

TESTS	RESULT
§. 5 Safety requirements (UNE EN 581-1:2017 & UNE EN 581-2:2016/AC2016) General; Tubular components; Shear and squeeze points	CORRECT
§. 7 Safety, Strength and Durability Requirements General; Stability, Strength and Durability Requirements	CORRECT
§. 4. Safety (UNE EN 16139:2013vc2015) General; Shear and squeeze points during use	CORRECT
STABILITY (forwards, sideways and rearwards overturning; corner stability) UNE EN 1022:2019	STABLE
§. 5. Safety, Strength and Durability Requirements	
- Test 1 Seat and back static load test (F _V =1600 N, F _H = 560 N, n= 10 times)	CORRECT*
- Test 2 Seat front edge static load test (F _V = 1 300N, 10 times)	CORRECT
- Test 3 Vertical static load test on back (F _V = 1300 N, F _V = 600 N, n= 10 times)	CORRECT
- Test 5 Arm sideways static load test (F _H = 400N, 10 times)	CORRECT
- Test 6 Arm downwards static load test (F _V = 750N, 5 times)	CORRECT
- Test 7 Vertical upwards static load on arm rests (F _V = 250N, t=10", n= 10 times)	CORRECT
- Test 8 Seat and back fatigue test (F _V = 1 000N, F _H = 300N, n= 100 000 cycles)	CORRECT
- Test 9 Seat front edge fatigue test (F _V = 800N x2, n= 50 000 cycles)	CORRECT
- Test 10 Arm fatigue test (F _V = 400 N, n= 30 000 cycles)	CORRECT
- Test 12 Leg forward static load test (F _V = 1 000 N, F _H = 500 N, 10 times)	CORRECT
- Test 13 Leg sideways static load test (F _V = 1 000 N, F _H = 400 N, 10 times)	CORRECT
- Test 14 Seat impact test (M= 25 kg, h= 240 mm, 10 times)	CORRECT
- Test 16 Arm impact test (α = 38°, h= 210 mm, n= 10 times)	CORRECT
Annex A Informative – Additional tests	
- Test A1 Drop test for stacking seating (h= 150 mm, 10 times)	CORRECT
- Test A2 Backward fall test (n= 5 times)	CORRECT

Paterna, December 19, 2022


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

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

Tests marked with (*) are carried out according to the specifications of UNE EN 581-2:2016/AC 2016 Public level, as they are requirements equal to or higher than those set out in UNE EN 16139:2013 VC 2015 L1.

The particular results of the tests are described in technical report nº 231.I.2212.704.ES.01 dated on 15/12/2022.

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