

TEST CERTIFICATE n. 231.Z.2202.043.EN.01

References: 2111184-02 – 2201015-01– C-i

PRODUCT: FLUIT CHAIR
FLUIT CHAIR WITH ARMS




COMPANY: ACTIU BERBEGAL Y FORMAS, S.A.
Parque Tecnológico ACTIU
Autovia CV-80, Salida Onil-Castalla
03420 CASTALLA - Alicante
www.actiu.com

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 especifications 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 ($F_v= 1 300$ N, 10 times)	CORRECT
- Test 3 Vertical static load test on back ($F_v = 1300$ N, $F_H= 600$ N, $n= 10$ times)	CORRECT
- Test 5 Arm sideways static load test ($F_H= 400$ N, 10 times)	CORRECT
- Test 6 Arm downwards static load test ($F_v= 750$ N, 5 times)	CORRECT*
- Test 7 Vertical upwards static load on arm rests ($F_v = 250$ N, $t=10''$, $n= 10$ times)	CORRECT
- Test 8 Seat and back fatigue test ($F_v = 1 000$ N, $F_H= 300$ N, $n= 100 000$ cycles)	CORRECT
- Test 9 Seat front edge fatigue test ($F_v = 800$ N 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 ($\alpha = 38^\circ$, $h= 210$ 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
- Test A3 Drop test from the height of a table ($h= 600$ mm, 5 + 5 times)	CORRECT
Annex C Dimensional requirements for office visitor chairs	APPROVED

Paterna, February 10, 2022


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

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.2202.043.ES.01 dated on 07/02/2022.

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