

TEST CERTIFICATE N. 231.U.2301.001.EN.01

Reference: 2211171-03-Ci

PRODUCT: **XAIL** Lounge armchair with low backrest,
4 leg frame and armrests

COMPANY: **INCLASS DESIGNWORKS, S.L.**
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TEST: Compliance with the following standard:
ANSI BIFMA X5.4:2020 Public and Lounge Seating

RESULT: Satisfactorily complies with the specifications set by the ANSI/BIFMA X5.4-2020, for single types C seats, according to the following tests:

TEST	RESULT
4. Type of chair (simple seat) 5. Backrest horizontal static load test ($F_{h1} = 667\text{N}$, $t = 1$ min. $F_{h2} = 1112\text{N}$, $t = 10$ sec) 7. Backrest durability Test. Horizontal. ($F_h = 334\text{N}$, $n = 120\,000$ cycles) 9. Arm strength test. Horizontal. ($F_{h1} = 445\text{N}$, $t = 1$ min. $F_{h2} = 667\text{N}$, $t = 10$ sec) 10. Arm strength test. Vertical. ($F_{v1} = 890\text{N}$, $t = 1$ min. $F_{v2} = 750\text{N}$, $t = 10$ sec) 13. Arm durability test. Angular. ($F = 400\text{N}$, $n = 60\,000$ cycles) 14. Seating durability test ($M = 57\text{kg}$, $h = 31\text{mm}$, $n = 100\,000$ cycles) 15. Impact test ($h = 152\text{mm}$, $M_1 = 102\text{kg}$, $M_2 = 136\text{kg}$) 16. 3 Leg forward static load test ($F_{h1} = 334\text{N}$, $t = 1$ min, $F_{h2} = 503\text{N}$, $t = 10$ sec) 16. 4 Leg sideways static load test ($F_{h1} = 334\text{N}$, $t = 1$ min, $F_{h2} = 503\text{N}$, $t = 10$ sec) 17. Unit drop test ($h = 180\text{mm}$, $n = 2$ times) 21.3 & 21.5 Front and rear stability test 24. Structural durability test ($Q = 109\text{kg}$, $F_h = 334\text{N}$, $n = 25\,000$ cycles)	Style C CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT STABLE CORRECT

Paterna, February 20, 2023

Signed: José Emilio Nuévalos
Furniture and Products Laboratory
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.2302.128.ES.01 dated on 17/02/2023.

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