

TEST CERTIFICATE Nº 231.Z.1805.243.EN.01

References: 1805003-02, 1803187-03, 1705141-01- Ci

PRODUCT: ALETA METAL BASE CHAIR
ALETA METAL BASE ARMCHAIR



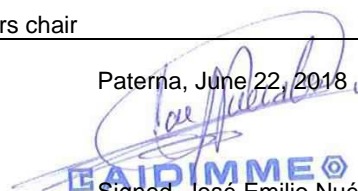
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TEST: Compliance with the following standards:
ANSI/BIFMA X5.4-2012 Lounge and Public Seating. Test. **UNE-EN 16139:2013vc2015** Furniture. Strength, durability and safety. Requirements for non-domestic seating.

RESULT: Satisfactorily complies with the specifications set by the ANSI/BIFMA X5.4-2012, for single types A and C seats and UNE-EN 16139:2013vc2015 for non-domestic use seats, level 1 general use, according to the following tests,

	TESTS	RESULT
ANSI/BIFMA X5.4-2012	4.Types of Lounge Seating (simple seat)	Type A and Type C
	5. Backrest horizontal static load test (Fh ₁ = 667 N, Fh ₂ = 1 112 N, t = 1 min.)	CORRECT
	7. Backrest durability Test. Horizontal (Fh = 334 N, Fv = 102 Kg, n = 120 000 cycles)	CORRECT
	9. Arm Strength test. Horizontal static load (Fh ₁ = 445N, Fh ₂ = 667N, t=1 min)	CORRECT
	10. Arm Strength test. Vertical static load (Fv ₁ = 750N, Fv ₂ = 1125N, 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 sideways static load test (Fh ₁ = 334 N, Fh ₂ = 503 N, t=1 min.)	CORRECT
	16.4 Leg forward static load test (Fh ₁ = 334 N, Fh ₂ = 503 N, t=1 min.)	CORRECT
21.3 & 21.5 Front and rear stability test	STABLE	
UNE-EN 16139:2013 vc2015	4. Safety. General requirements	CORRECT
	4.3. Determination of stability (front , side, rear)	STABLE
	4.5. Safety of the construction:	
	1. Seat and back static load test (Fv = 1 600N, Fh = 560N, 10 times)	CORRECT
	2. Seat front edge static load test (Fv = 1 300N, 10 times)	CORRECT
	3. Vertical static load on back (Fv = 600N, Q = 1 300N, 10 times)	CORRECT
	5. Arm sideways static load test (Fh = 400N, 10 times)	CORRECT
	6. Arm downwards static load test (Fv = 750N, 10 times)	CORRECT
	8. Seat and back durability test (Fv =1 000N, Fh = 334N, n = 120 000 cycles)	CORRECT
	9. Seat front edge durability test (Fv = 800N, n = 50 000 cycles)	CORRECT
	10. Arm durability test (F = 400N, n= 60 000 cycles)	CORRECT
	12. Leg forward static load test (Q = 1 000 N, Fh = 500 N, 10 times)	CORRECT
	13. Leg sideways static load test (Q = 1 000 N, Fh = 400 N, 10 times)	CORRECT
	14. Seat impact test (h = 240 mm., 10 times)	CORRECT
	16. Arm impact test (α = 38°, h = 210 mm., 10 times)	CORRECT
Annex A2. Backward fall test (5 times)	CORRECT	
Annex C. Dimensional requirements for office visitors chair	CORRECT	

Paterna, June 22, 2018



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 reports: nº 231.I.1805.243.ES.01 dated 05/11/2018, Nº 230.I. 1706.414.ES.01 of 06/26/2017 and nº 231.I.1805.244.ES.01 of 05/10/2018.

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