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Page 1 of 2

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20250 LEGORRETA (GIPUZKOA) SPAIN

Reference: **LOTTUS CONFERENCE**

Characteristics: Chair with lacquered aluminium base with lockable tilt mechanism and lacquered aluminium armrests

Standard: **UNE-EN 16139:2013/Corrected version 2015 (Level L2, extreme use)**



Test	Standard/Section	Test parameters	RESULT
General safety requirements	UNE-EN 16139:2013/Corrected version 2015, sec.4	---	SATISFACTORY
Front overturn	UNE-EN 1022:2005 sec.6.2	Vertical force (N): 600 Horizontal force (N): 20	SATISFACTORY
Backward overturn	UNE-EN 1022:2005 sec.6.6	Vertical force (N): 600 Horizontal force (N): 149	SATISFACTORY
Side overturn of chairs with armrests	UNE-EN 1022:2005 sec.6.5	Force on seat (N): 250 Force on armrest (N): 350 Horizontal force (N): 20	SATISFACTORY
Backward overturn (tilting chairs)	UNE-EN 1022:2005 sec. 7.3	Mass applied (kg): 110	SATISFACTORY
Static load on the seat and backrest ¹⁾	UNE-EN 1728:2013 sec.6.4	Load on seat (N): 2000 Load on back (N): 700 No. of cycles: 10	SATISFACTORY
Static load on the front of the seat	UNE-EN 1728:2013 sec.6.5	Load applied (N): 1600 No. of cycles: 10	SATISFACTORY
Vertical static load on the backrest	UNE-EN 1728:2013 sec.6.6	Force applied (N): 900 Load on seat (N): 1800 No. of cycles: 10	SATISFACTORY
Armrest sideways static load	UNE-EN 1728:2013 sec. 6.10	Load applied (N): 900 No. of cycles: 10	SATISFACTORY
Armrest downwards static load	UNE-EN 1728:2013 sec. 6.11	Load applied (N): 900 No. of cycles: 5	SATISFACTORY

Test	Standard/Section	Test parameters	RESULT
Seat and back durability test ²⁾	UNE-EN 1728:2013 sec.6.17	Load on seat (N): 1000 Load on back (N): 300 No. of cycles: 200.000	SATISFACTORY
Seat front edge durability test	UNE-EN 1728:2013 sec.6.18	Load on seat (N): 800 No. of cycles: 100.000	SATISFACTORY
Armrest durability test	UNE-EN 1728:2013 sec. 6.20	Load applied (N): 400 No. of cycles: 60.000	SATISFACTORY
Seat impact test	UNE-EN 1728:2013 sec.6.24	Drop height (mm): 300 No. of cycles: 10	SATISFACTORY
Back impact test	UNE-EN 1728:2013 sec.6.25	Drop height (mm ^º): 330/48 No. of cycles: 10	SATISFACTORY
Arm impact test	UNE-EN 1728:2013 sec. 6.26	Drop height (mm ^º): 330/48 No. of cycles: 10	SATISFACTORY

Notes:

- 1) 5 cycles were carried out with the tilt mechanism locked and the other 5 cycles were carried out with the tilt mechanism unlocked.
- 2) 100.000 were carried out with the tilt mechanism locked and the other 100.000 were carried out with the tilt mechanism unlocked.