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Customer: **ENEA EREDU S.COOP.**
Contact person: **Iñaki Elizegi**
Address: **Ola Auzoa, 4**
Legorreta (GIPUZKOA)



Reference: **LOTTUS**
Characteristics: **Height adjustable swivel chair with polypropylene shell and steel armrests**
Product Standard: **UNE-EN 15373:2007 (3 level) and UNE-EN 1335-3:2009**

Tests	Standard/Section	Test parameters	RESULT
General safety requirements	UNE-EN 15373:2007 sec.5.1 & sec.5.2	---	SATISFACTORY
Front overturn ⁽¹⁾	UNE-EN 1335-3:2001 sec.7.1.1	Force applied (kg): 27	SATISFACTORY
Forward overturn ⁽²⁾	UNE-EN 1335-3:2001 sec.7.1.2	Vertical force applied on the seat (N): 600 Outward horizontal force (N): 20	SATISFACTORY
Lateral overturn of chairs with armrests ⁽³⁾	UNE-EN 1335-3:2001 sec.7.1.5	Vertical force (N): F ₁ :250 F ₂ :350 Horizontal force (N): 20	SATISFACTORY
Back overturn on non-reclining backrests ⁽⁴⁾	UNE-EN 1335-3:2001 sec.7.1.6	Vertical force (N): 600 Horizontal force (N): 192	SATISFACTORY
Static load on seat and back	UNE-EN 1728:2001 sec.6.2.1	Force applied on the seat: 2000 N Force applied on the back: 700 N No. of cycles: 10	SATISFACTORY
Static load on the front edge of the seat	UNE-EN 1728:2001 sec.6.2.2	Force applied: 2000 N No. of cycles: 10	SATISFACTORY
Vertical static load on back	UNE-EN 15373:2007 Annex A.2	Force applied: 900 N Force applied on the seat: 1800 N No. of cycles: 10	SATISFACTORY
Sideward static load on	UNE-EN 1728:2001	Force applied (N): 900	SATISFACTORY

Tests	Standard/Section	Test parameters	RESULT
armrests	sec.6.5	No. of cycles: 10	
Downward vertical static load on armrests	UNE-EN 1728:2001 sec.6.6	Force applied (N): 1000 No. of cycles: 10	SATISFACTORY
Upward vertical static load on armrests	UNE-EN 15373:2007 Annex A.1	Force applied on seat (N): 900 No. of cycles: 5	SATISFACTORY
Combined fatigue test on seat and back	UNE-EN 1728:2001 sec.6.7	Force applied on the seat: 1000 Force applied on the back: 300 No. of cycles: 200.000	SATISFACTORY
Fatigue on the front edge of the seat	UNE-EN 1728:2001 sec.6.8	Force applied on the seat: 1000 No. of cycles: 100.000	SATISFACTORY
Arm durability test	UNE-EN 1728:2001 sec.6.10	Force applied (N): 400 No. of cycles: 100.000	SATISFACTORY
Impact test on seat	UNE-EN 1728:2001 sec.6.15	Drop height (mm): 300 No. of cycles: 10	SATISFACTORY
Impact test on armrests	UNE-EN 1728:2001 sec.6.17	Drop height (mm/°): 620/68 No. of cycles: 10	SATISFACTORY
Impact test on backrest	UNE-EN 1728:2001 sec.6.16	Drop height (mm/°): 620/68 No. of cycles: 10	SATISFACTORY
Swivel test	UNE-EN 1335-3:2009 sec.7.3.3	Total mass applied (kg): 95 No. of cycles: 120.000	SATISFACTORY
Base and casters durability test	UNE-EN 1335-3:2009 sec.7.3.5	Force applied (kg): 110 No. of cycles: 36.000	SATISFACTORY
Rolling resistance of the non-loaded chair ⁽⁵⁾	UNE-EN 1335-3:2009 sec. 7.4.	Force required to move the chair (N): 15,5	SATISFACTORY

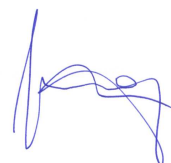
⁽¹⁻⁴⁾ These tests have been carried out according to the superseded standard UNE-EN 1335-3:2001 as UNE-EN 15373:2007 is the one which refers to.

⁽⁵⁾ Deviation from UNE-EN 15373:2007 standard: As requested by the customer, the test has been carried out according to UNE-EN 1335-3:2009 instead of the superseded version UNE-EN 1335-3:2001 which is the one UNE-EN 15373:2007 refers to.



Jabier Uranga
Laboratory Technician

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Maite Gurrutxaga
Technical Manager for the Accreditation

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