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Client: **EREDU, S.COOP. (ENEA)**
Contact person: **AITOR OLANO**
Address: **OLA AUZOA 4**
20250 LEGORRETA (GIPUZKOA) SPAIN

Reference: **EMA**

Characteristics: Four-legged chair, with metallic structure and 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): 157	SATISFACTORY
Side overturn	UNE-EN 1022:2005 sec. 6.5	Vertical force seat (N): 250 Vertical force armrests (N): 350 Horizontal force (N): 20	SATISFACTORY
Static load on the seat and backrest	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	Force applied (N): 900 No. of cycles: 10	SATISFACTORY
Armrest downwards static load	UNE-EN 1728:2013 sec. 6.11	Force applied (N): 900 No. of cycles: 5	SATISFACTORY

Test	Standard/Section	Test parameters	RESULT
Seat and back durability test	UNE-EN 1728:2013 sec.6.17	Load on seat (N): 1000 Load on back (N): 300 No. of cycles: 200.00 0	SATISFACTORY
Seat front edge durability test	UNE-EN 1728:2013 sec.6.18	Load on seat (N): 800 No. of cycles: 100.00 0	SATISFACTORY
Armrest durability test	UNE-EN 1728:2013 sec. 6.20	Force applied (N): 400 No. of cycles: 60.000	SATISFACTORY
Front static load on the legs	UNE-EN 1728:2013 sec.6.15	Force applied (N): 620 Load on seat (N): 1800 No. of cycles: 10	SATISFACTORY
Side static load on the legs	UNE-EN 1728:2013 sec.6.16	Force applied (N): 760 Load on seat (N): 1800 No. of cycles: 10	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/°): 330/48 No. of cycles: 10	SATISFACTORY
Arm impact test	UNE-EN 1728:2013 sec. 6.26	Drop height (mm/°): 330/48 No. of cycles: 10	SATISFACTORY