



# CIDEMCO

**CENTRO DE INVESTIGACIÓN TECNOLÓGICA – Laboratorio de Ensayos**  
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## TEST CERTIFICATE

Company: **ENEA EREDU, S. COOP.**

Address: **Apartado 97 20250 LEGORRETA (GIPUZKOA)**

Certificate no. **7185**

### ACREDITACIONES:



- ENAC: 34/LE162. \ Windows
- ENAC: 34/LE346. | Iron fittings for buildings para edificación
- ENAC: 34/LE347. | Woodwork
- ENAC: 34/LE347. S Wooden floors madera
- ENAC: 34/LE345. | Varnishes
- ENAC: 34/LE345. F Paint
- ENAC: 34/LE024. | Kitchen furniture cocina

### ASOCIADO A:

**ENAC**  
(Entidad Nacional de Acreditación)

**ASEFAVE**  
(Asociación Española de Fabricantes de fachadas ligeras y ventanas)

**FEDIT**  
(Federación Española de Entidades de Innovación Tecnológica)

**AETEPA**  
(Asociación Española de Técnicos en pintura y afines)

Chair  
 “Global armless 171”

Tests carried out according to Norms: **UNE 11010:1989 (Test level 5)**

TEST	TEST CHARACTERISTICS	RESULTS
Static load on front legs (section 2.5.7)	F applied = 760 N F balance = 1600 N No. of cycles: 10	SATISFACTORY
Lateral static load (section 2.5.8)	F applied = 760 N F balance = 1600 N No. of cycles: 10	SATISFACTORY
Diagonal load on base (section 2.5.9)	F applied = 620 N No. of cycles: 10	SATISFACTORY
Floor impact test (section 2.5.13)	Impact height = 900 mm No. of impacts = 10	SATISFACTORY

Date: 29<sup>th</sup> May 2001

This document is not valid without the test report of identical number to the certificate, where the results obtained in each tests are stipulated.

The results obtained in these tests refer only to the tests carried out in this Test Centre on the date shown above and do not imply a constant characteristic in the quality of production.



**CENTRO DE  
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**REPORT NUMBER: 7185. Page 1 of 4**

## **TEST REPORT**

**CLIENT'S NAME: ENEA EREDU, S.COOP.**  
**PETITIONER'S NAME: IÑAKI ELIZEGI**  
**ADDRESS: APARTADO 97**  
**20250 LEGORRETA**

**TESTED MATERIAL: CHAIR REF. "GLOBAL ARMLESS 171"**

**PURPOSE OF PETITION: TEST ACCORDING TO NORM 11010:1989**

**RECEPTION DATE: 9/5/2001**  
**DATE OF FIRST TEST: 14/5/2001**  
**DATE OF LAST TEST: 18/5/2001**

Total number of pages (including this page): 4

The test results only refer to the material received and tested in this Centre of Investigation on 9/5/2001

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Asier Maiztegi  
Furnishing Department Head

Azpeitia, 29 May 2001

Jose Mª Irure  
Furnishing Department Technician



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## TEST CHARACTERISTICS

On 9 May 2001, we received in CIDEMCO a chair with the following reference:

### GLOBAL ARMLESS 171

## TESTS REQUESTED

The tests requested are the following:

1. **Static load on front legs** according to Norm UNE 11010:1989, section 2.5.7
2. **Lateral static load** according to Norm UNE 11010:1989, section 2.5.8
3. **Diagonal load on base** according to Norm UNE 11010:1989, section 2.5.9
4. **Floor impact test** according to Norm UNE 11010:1989, section 2.5.13

Test level requested: **Test level 5**

## TESTS CARRIED OUT AND RESULTS OBTAINED

The tests carried out are as follows, in the same order as they appear and on the same sample chair.

All the tests were carried out according to **Test Level 5**, which figures in appendix A of Norm UNE 11020:1992/2 as corresponding to “**severe public use**”, which would comprise:

**For general public use in severe conditions:** Furniture destined to be installed in places for general public access, mainly uncontrolled. The frequency of use of this type of furniture is very high and it is used by large numbers of people of all types and ages. Due to its location, a specifically careless or even harsh use can be expected.

As an example, the following locations can be mentioned: Furniture installed in public accesses to stations or similar places, bars or cafes located in stations, etc.

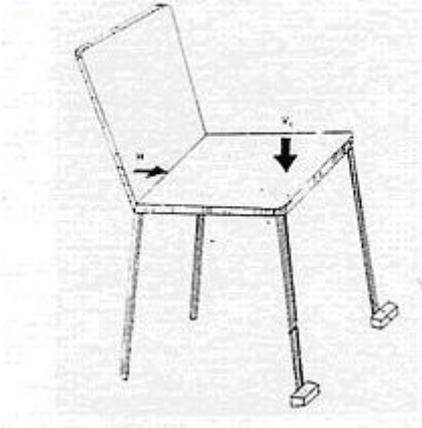
Client: ENEA EREDU  
Ref.: “Global armless 171” Chair.



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### 1. STATIC LOAD TEST ON FRONT LEGS (Norm UNE 11010:1989 SECTION 2.5.7)

Once the chair has been secured by means of stoppers to prevent sliding, a horizontal load (H) of 760N and a counterweight ( $V_c$ ) of 1600N is applied, carrying out 10 repetition cycles.

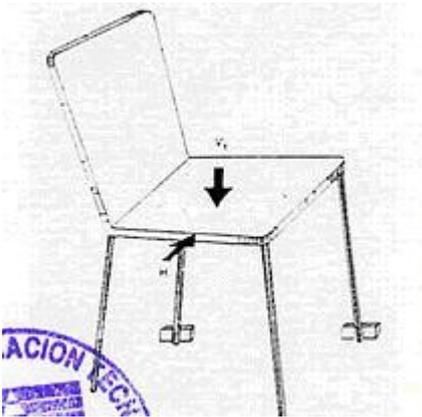


- Force on legs (H): 760N
- Force on seat: 1600N
- Cycles carried out: 10

RESULTS: SATISFACTORY

### 2. LATERAL STATIC LOAD TEST (Norm UNE 11010:1989 section 2.5.8)

Once the chair has been secured by means of stoppers to prevent sliding, a horizontal load (H) of 760N and a counterweight ( $V_c$ ) of 1600N is applied, carrying out 10 repetition cycles.



- Force on legs (H): 760N
- Force on seat: 1600N
- Cycles carried out: 10

RESULTS: SATISFACTORY

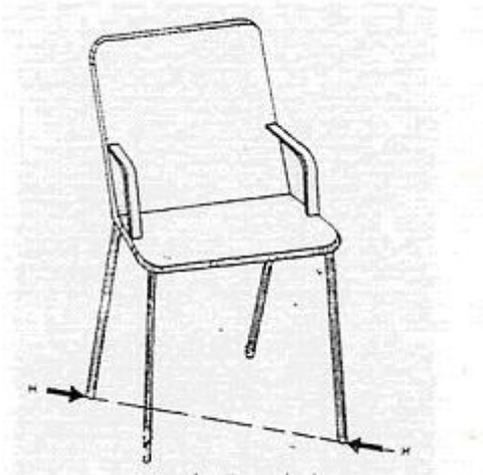
Client: ENEA EREDU  
Ref.: "Global armless 171" Chair.



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### 3. Diagonal load test on base (Norm UNE 11010:1989 section 2.5.9)

The test consists of two horizontal loads applied diagonally on the lowest possible part of the chair in opposite directions.

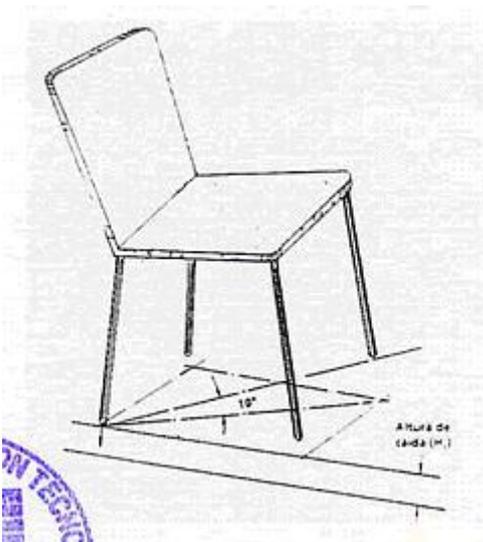


- Force applied (H): 620N
- Cycles carried out: 10

RESULTS: SATISFACTORY

### 4. FLOOR IMPACT TEST (NORM UNE 11010:1989 section 2.5.13)

The test consists of allowing the chair to fall from a height ( $H_c$ ) on one leg, leaving a  $10^\circ$  angle with respect to the other leg situated on its same diagonal plane.



- Impact height ( $H_c$ ): 900mm
- Number of impacts: 10

RESULTS: SATISFACTORY

Client: ENEA EREDU  
Ref.: "Global armless 171" Chair.