TECHNOLOGY INSTITUTE
TEST CERTIFICATE n. 231.Z.2003.090.EN. 01
References: 2001099-03A, 03B -Ci

## PRODUCT: MAARTEN CHAIR PLASTIC BASE 4 LEGS

 (WITH AND WITHOUT ARMS)
## COMPANY: VICCARBE HABITAT, S.L.

PG. Norte, C/Travesía 1 al camí Racó S/N 46469 BENIPARRELL (VALENCIA) SPAIN Phone: 349612010 - Fax: 34961211211 www.viccarbe.com


## 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 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) <br> 5. Backrest horizontal static load test (Fh1 $=667 \mathrm{~N}, \mathrm{Fh} 2=1112 \mathrm{~N}, \mathrm{t}=1 \mathrm{~min}$.) <br> 7. Backrest durability Test. Horizontal. (Fh1 = $334 \mathrm{~N}, \mathrm{n}=120.000$ cycles) <br> 9. Arm Strength test. Horizontal static load. (Fh1 $=445 \mathrm{~N}, \mathrm{Fh} 2=667 \mathrm{~N}, \mathrm{t}=1 \mathrm{~min}$ ) <br> 10. Arm Strength test. Vertical static load. ( $\mathrm{Fv} 1=750 \mathrm{~N}, \mathrm{Fv} 2=1125 \mathrm{~N}, \mathrm{t}=1 \mathrm{~min}$.) <br> 13. Arm durability test. ( $F=400 \mathrm{~N}, \mathrm{n}=60000$ cycles) <br> 14. Seating durability test ( $M=57 \mathrm{~kg}, \mathrm{~h}=30 \mathrm{~mm}, \mathrm{n}=100000$ cycles) <br> 15. Impact test ( $\mathrm{h}=152 \mathrm{~mm}$., $\mathrm{M} 1=102 \mathrm{~kg}, \mathrm{M} 2=136 \mathrm{~kg}$,) <br> 16. 3 Leg forward static load test ( $F h 1=334 \mathrm{~N}, F h 2=503 \mathrm{~N}, \mathrm{t}=1 \mathrm{~min}$. ) <br> 16. 4 Leg sideways static load test (Fh1 $=334 \mathrm{~N}, \mathrm{Fh} 2=503 \mathrm{~N}, \mathrm{t}=1 \mathrm{~min}$.) <br> 21.3 \& 21.5 Front and rear stability test | Type C CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT CORRECT STABLE |
| $\begin{array}{\|c\|} \hline \text { UNE-EN } \\ \text { 16139:2013 } \\ \text { vc2015 } \end{array}$ | 4. Safety. General requirements <br> 4.3. Swivelling chairs stability (forwards overturning, corner stability, sideways and rearwards overturning) UNE EN 1022:2019 <br> 4.5. Safety of the construction / 5. Strength, Durability and Safety Requirements: <br> Test 1. Seat and back static load test ( $\mathrm{Fv}=1600 \mathrm{~N}, \mathrm{Fh}=560 \mathrm{~N}, 10$ times) <br> Test 2. Seat front edge static load test ( $\mathrm{Fv}=1300 \mathrm{~N}, 10$ times) <br> Test 3. Vertical static load on back ( $\mathrm{Fv}=1300 \mathrm{~N}, \mathrm{Q}=600 \mathrm{~N}, 10$ times) <br> Test 5. Arm sideways static load test ( $\mathrm{Fh}=400 \mathrm{~N}, \mathrm{n}=10$ times) <br> Test 6. Arm downwards static load test ( $\mathrm{Fv}=750 \mathrm{~N}, \mathrm{n}=10$ times) <br> Test 8. Seat and back durability test ( $\mathrm{Fv}=1000 \mathrm{~N}, \mathrm{Fh}=300 \mathrm{~N}, \mathrm{n}=100000$ cycles) <br> Test 9. Seat front edge durability test ( $\mathrm{Fv}=800 \mathrm{~N}, \mathrm{n}=50000$ cycles) <br> Test 10. Arm durability test ( $\mathrm{Fv}=400 \mathrm{~N}, \mathrm{n}=30000$ cycles) <br> Test 12. Leg forward static load test $(Q=1000 \mathrm{~N}, \mathrm{Fh}=500 \mathrm{~N}, 10$ times) <br> Test 13. Leg sideways static load test ( $\mathrm{Q}=1000 \mathrm{~N}, \mathrm{Fh}=400 \mathrm{~N}, 10$ times) <br> Test 14. Seat impact test ( $\mathrm{h}=240 \mathrm{~mm}$., 10 times) <br> Test 16. Arm impact test ( $\alpha=38^{\circ}, h=210 \mathrm{~mm} ., 10$ times) <br> Annex A. 2 Backward fall test (5 times) <br> Annex C Dimensional requirements for office visitor chairs | $\begin{aligned} & \hline \text { APPROVED } \\ & \text { STABLE } \\ & \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { CORRECT } \\ & \text { APPROVED } \\ & \hline \end{aligned}$ |

Valencia, March 23, 2020
P.A.

Signed: José Emilio Nuévalos Furniture and Products Laboratory Head of Section

This certificate only refers to the samples tested by the AIDIMA laboratory.
The particular results of the tests are described in technical report № 231.I.2003.090.ES. 01 dated on March 9, 2020.
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