

## TEST CERTIFICATE N. 231.W.2012.509.EN.01

Reference: 2010081-01-Ci

**PRODUCT:** WHASS

**COMPANY:** **ACTIU BERBEGAL Y FORMAS, S.A.**  
Parque Tecnológico ACTIU  
Autovía CV-80, Salida Onil-Castalla  
03420 CASTALLA - Alicante - SPAIN  
[www.actiu.com](http://www.actiu.com)



**TEST:** Compliance with the following standard:  
**UNE-EN 16139:2013vc2015** Furniture. Strength, durability and safety. Requirements for non-domestic seating.

**RESULT:** It satisfactorily complies with the specifications stated on the standard for a Level 1 (general public use) on the following tests:

TESTS	RESULT
<b>§. 4.1 – 4.2 Safety. General requirements and Shear and squeeze points.</b> <b>STABILITY §. 7.3.– Test procedures, all seating (UEN EN 1022:2019)</b> (7.3.1. Forwards overturning; 7.3.2. Forwards overturning for seating with foot rest; 7.3.3. Corner stability test; 7.3.4. Sideways overturning, all seating without arm rests; 7.3.6. Rearwards overturning all seating with back rests)	<b>APPROVED STABLE</b>
<b>§. 5. Safety, Strength and Durability Requirements</b>	
- Test 1. Seat and back static load test ( $F_v = 1\,600\text{N}$ , $F_H = 560\text{N}$ , 10 times)	<b>CORRECT</b>
- Test 2. Seat front edge static load test ( $F_v = 1\,300\text{N}$ , 10 times)	<b>CORRECT</b>
- Test 4. Foot rest and leg rest static load test ( $F_v = 1\,300\text{N}$ , 10 times)	<b>CORRECT</b>
- Test 8. Seat and back durability test ( $F_v = 1\,000\text{N}$ , $F_H = 300\text{N}$ , $n = 100\,000$ cycles)	<b>CORRECT</b>
- Test 9. Seat front edge durability test ( $F_v = 800\text{N}$ , $n = 50\,000$ cycles)	<b>CORRECT</b>
- Test 11. Foot rest fatigue test ( $F = 1\,000\text{N}$ , $n = 50\,000$ cycles)	<b>CORRECT</b>
- Test 12. Leg forward static load test ( $F_v = 1\,000\text{N}$ , $F_H = 500\text{N}$ , 10 times)	<b>CORRECT</b>
- Test 13. Leg sideways static load test ( $F_v = 1\,000\text{N}$ , $F_H = 400\text{N}$ , 10 times)	<b>CORRECT</b>
- Test 14. Seat impact test ( $h = 240\text{mm}$ , 10 times)	<b>CORRECT</b>
- Test 15. Back impact test ( $M = 5\text{kg}$ , $\alpha = 38^\circ$ , 10 times)	<b>CORRECT</b>
<b>Annex A Informative – Additional tests</b>	
- Annex 2 Backward fall test ( $n = 5$ times)	<b>CORRECT</b>

Paterna, December 15, 2020

P.A.

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

This certificate only refers to the samples tested by the AIDIMME laboratory.

The particular results of the tests are described in technical report N. 231.I.2012.509.ES.01 dated December 14, 2020.

*AIDIMME is a member of INNOVAWOOD, the European Innovation Network for the Forestry, Wood and Furniture Industry, among whose members they are: BRE-CTTC (United Kingdom), COSMOB (Italy), DTI (Denmark), FCBA (France), ITD (Poland), SHR (Netherlands), RISE (Sweden), TRADA-FIRA (United Kingdom), University of Zagreb (Croatia), WKI (Germany).*