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### **TECHNICAL REPORT**

Pineapple Contracts	SATRA reference:	FUR2019241 2506 1
Westmead	Report ID/Issue number:	52006/1
Aylesford Maidstone	Your reference:	LLNPD22012025
Kent ME20 6XJ	Date samples received:	30/01/2025
United Kingdom	Date(s) work carried out:	30/01/2025 to 02/06/2025
	Date of report:	03/06/2025

#### **Testing Requirements**

Testing of a sofa bed, described by the customer as the 'Magna Sofa Bed' to EN 16139:2013 Test Level 2 and ≠EN 1725:2023 (Contract Level) (Excluding Test 10 (Durability of Sofa Bed Action))

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Report Signed by:

Johnny Worthington

Report Signatory



### **Technical Report**





#### ASSESSMENT OF THE MAGNA SOFA BED

As requested by Pineapple Contracts, SATRA have assessed the seating submitted, as detailed below.

#### SAMPLE SUBMITTED

Sample reference: Testing conducted by: Magna Sofa Bed P Westley & M Evans



#### **TESTS CARRIED OUT**

EN 16139:2013 – Test Level 2 – Furniture – Strength, durability and safety - Requirements for non-domestic seating (for adults weighing up to 110kg). See Note 1.

≠EN 1725:2023 – Furniture – Beds – Safety requirements and test methods. Excluding Test 10 (Durability of Sofabed Action). Contract Level.

#### CONCLUSION

The 'Magna Sofa Bed', supplied for testing by Pineapple Contracts, has satisfied the relevant requirements of EN 16139:2013 – Test Level 2 – "Furniture – Strength, durability and safety - Requirements for non-domestic seating" except for Clause 7 (Information for use).

The 'Magna Sofa Bed' submitted for testing by Pineapple Contracts, has satisfied the relevant requirements of \$\neq\$EN 1725:2023 - Furniture - Beds - Safety requirements and test methods, except for Clauses 6.3.3 (Shear & compression points under influence of powered mechanisms), 6.3.4 (Shear & compression points during use), 7 (Information for use) and excluding Test 10 (Durability of Sofabed Action). Contract Level.

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#### **RESULTS**

#### **MAGNA SOFA BED**

EN 16139:2013 (Test Level 2)

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Clause	Test Description	Result
4 acts	Safety	
4.1	General	
a)	Accessible corners rounded or chamfered	Pass (see Note 2
b) ~	Edges of seat, back and arm rests rounded	Pass
c)	Edges of handles rounded or chamfered	N/A (see Note 2)
Cts d)	All other edges free of burrs and/or sharp edges	Pass (see Note 2
e)	Ends of hollow components closed or capped	N/A (see Note 2)
-	Movable / adjustable parts have a safe design	N/A (see Note 2)
FUD-	Unintentional loosening of load bearing parts	Pass
120 <sub>793</sub>	Lubricated parts protected against user soiling	N/A
4.2	Shear and Squeeze Points	
4.2.1	Shear and squeeze points when setting up and folding	N/A (see Note 2
4.2.2	Shear and squeeze points under influence of powered mechanisms	N/A (see Note 2
4.2.3	Shear and squeeze points during use	Pass (see Note 2
4.3	Stability (see Table 2)	
4.3.1	General Control Contro	Pass
4.3.2	Swivelling chairs	N/A
4.3.3	Non swivelling chairs	Pass
4.4	Rolling Resistance of the Unloaded Chair	N/A
4.5	Safety of Construction (see Table 1)	Pass
5 ntr	Safety, Strength and Durability (see Table 1)	Pass
• • • •	1//	/ 1
6	Test Methods (see Table 1)	

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## FUR2019241 EN 16139:2013 (Test Level 2) - Table 1

Mean	F. Pin	0248
EN 16139:2013 (Test Level 2	Contracts FUR2019241	Pineapple Cont
Clause 6 (Test Method)	Strength & Durability Tests	Result
EN 1728:2012, 6.4	Seat and back static load	Pass
EN 1728:2012, 6.5	Seat front edge static load	Pass
EN 1728:2012, 6.6	Vertical static load on back	Pass Pass
EN 1728:2012, 6.8, 6.9	Foot rail/rest and leg rest static load	N/A
EN 1728:2012, 6.10	Arm sideways static load	Pass
EN 1728:2012, 6.11	Arm downwards static load	Pass
EN 1728:2012, 6.13.1, 6.13	.2 Vertical upwards static load on arm rests	N/A
EN 1728:2012, 6.17	Seat and back durability	Pass
EN 1728:2012, 6.18	Seat front edge durability	Pass
EN 1728:2012, 6.20	Arm durability	Pass
EN 1728:2012, 6.21	Foot rest durability	N/A
EN 1728:2012, 6.15	Leg forward static load	N/A
EN 1728:2012, 6.16	Leg sideways static load	N/A
EN 1728:2012, 6.24	Seat impact	Pass
EN 1728:2012, 6.25	Back impact	Pass
EN 1728:2012, 6.26	Arm impact	Pass
EN 1728:2012, 6.27.1	Drop test (multiple seating) – TL 2 only	Pass
EN 1728:2012, 6.14	Auxiliary writing surface static load	N/A
EN 1728:2012, 6.22	Auxiliary writing surface durability	N/A ~/o/o

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	2013 – <i>Table</i> 2 (EN 1022:2005)	2019241	Pineapple Co
Clause	Test Description		sult
/ <sup>0</sup> / <sub>0</sub> 6	All Seating	Before*	After*
6.2	Forwards overbalancing, all seating	Pass	Pass
6.3	Forwards overbalancing for seating with footrest	N/A	N/A
6.4	Sideways overbalancing, all seating without arms	N/A	N/A
6.5	Sideways overbalancing, all seating with arms	Pass	Pass
6.6	Rearwards overbalancing, all seating with backs	Pass	Pass
7	Seating with Variable Geometry		
7.3	Tilting chairs		
7.4	Rocking chairs		
7.5	Reclining chairs with footrest N/A		
7.6	Footrest test		
7.7	Reclining chairs without footrest		

<sup>\*</sup> The acceptance criteria of EN 16139:2013 requires that the applicable stability test(s) shall be carried out after the applicable strength and durability tests (see Table 1) but, following the order of the standard, they can also be carried out prior to the Table 1 tests. Sineapple Contracts

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#### ≠EN 1725:2023

Clause	Toot	Pagult
Clause 6	Test Safety Requirements	Result
6.1	General Requirements	
	s which are directly in contact with the user are rounded and fered	Pass
•	ner edges accessible during intended use are free from burrs r sharp edges and corners	Pass
	d adjustable parts shall be designed so that injuries and peration are avoided	Pass
It shall not be unintentional	possible for any load bearing part of the bed to come loose	Pass
6.2	Holes in tubular or rigid components	Pass (see Note 4)
6.3	Shear and compression points	N/T (see Note 5)
6.3.1	General	
6.3.2	Shear and compression points when setting up and folding	
6.3.3	Shear and compression points under influence of powered mechanisms	
6.3.4	Shear and compression points during use	
<sup>2</sup> / <sub>10</sub> 6.4	Entanglement hazards	
6.4.1	General R2070	
6.4.2	Requirements	50.
Pulls, cords a	nd similar parts shall have a maximum free length of 220mm	N/A
Where pulls,	cords and similar parts are attached to the bed base	N/A
If it is possibl	e to form a loop with cords	N/A
Monofilamen	threads shall not be used	7 N/A

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Clause	Test		Result
6.5		ally operated bed mechanism	See Test 11
6.5.1	Requirement A		N/A
6.6	Stability, strength, ar	nd durability	
6.6.1	General	70 Ca.	
Test	**7	Reference	7 . D
	c load test on bed base	ISO 19833:2018, 6.3.1	Pass
	c load on side rail	ISO 19833:2018, 6.3.2	Pass
beds ≤1200mm		150 19833:2018, 6.4.1	N/A
beds >1200mm		ISO 19833:2018, 6.4.2	N/A
without headbo	atic load test for beds ards and for all beds with th or without headboards)	ISO 19833:2018, 6.4.3	CPass
	bility test of bed base	ISO 19833:2018, 6.5.1	
	ty of the bed base tested	Position A	Pass
different positio	ns Pole	Position B	Pass
47	Contract	Position C	Pass
	-10	Position D	Pass
7. Horizontal di	rability test of bed frame	ISO 19833:2018, 6.5.2	Pass
8 Vertical impa	et test	ISO 19833:2018, 6.6	
Cont	FUR201-	Position A	Pass
J.15	acts 1924	Position B Contract	Pass
	freely from 180mm onto	Position C	Pass
mattress at pos	itions	Position D1	Pass
Impactor to fall mattress at pos	FUR2019241	Position D2	Pass
"Pacts	×47	Position D3	Pass
		Position D4	Pass
^	Pingapp	Position E	Pass

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#### ≠EN 1725:2023 (Cont'd)

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≠EN 1725:2023 (Cont'd)	Ontracts	019241
Clause	Test	Result
9. Durability of mechanisms for lifting bed bases	ISO 19833:2018, 7.2	N/A
10. Durability of sofa bed function	EN 13759:2012	N/T (see Note 6)
11. Durability of electrically operated beds	6.5	N/A
12. Stability	ISO 19833:2018, 6.2	Pass
Clause		
7 Information for use		
A) Assembly instructions, where applicable	UR2 Pinean	N/T (see Note 3)
B) Care and maintenance	N/T (see Note 3)	
C) Size of recommended mattress, if applicabl	N/A	
D) Maximum weight of mattress (electrically or mechanism)	N/A	
I/A denotes clause 'Not Applicable'. I/T denotes clause 'Not Tested'. I/R denotes clause 'Not Reported'	Pineapple Contract	FUR2019247
COMMENTS	90 <sub>0</sub>	5

N/A denotes clause 'Not Applicable'. N/R denotes clause 'Not Reported'

#### **COMMENTS**

- Note 1: Tested as a Two Seater.
- Note 2: Only the sofa function was considered, not the bed (or it's mechanism).
- Note 3: As no "Information for use" was supplied, the sample was not assessed against the requirements of this clause.
- Pineapple Contracts Holes in the tubular frame of between 8mm and 12mm were identified. See Pictures 6, 7 and 8.

Update 30/05/25: Plastic push rivets were received, these were fitted, and the Clause 6.2 (Holes in tubular or rigid components) was re-assessed, achieving a 'Pass'.

- Note 5: At the request of the customer this clause was omitted.
- Note 6: Due to equipment limitations SATRA are not able to test this clause.

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Picture 1: Front view of the 'Magna Sofa Bed' FUR2019247 and Spoke Contracts R2019241

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Picture 2: Front (Bed Fully Extended) view of the 'Magna Sofa Bed'

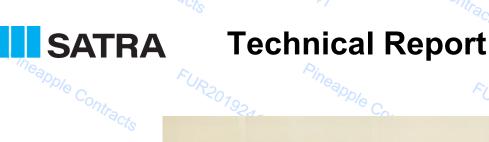


Picture 3: Rear view of the 'Magna Sofa Bed'

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Picture 4: Side view of the 'Magna Sofa Bed'



Picture 5: Side (Bed Fully Extended) view of the 'Magna Sofa Bed'

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Picture 6: 8mm Probe Inserted view of the 'Magna Sofa Bed'

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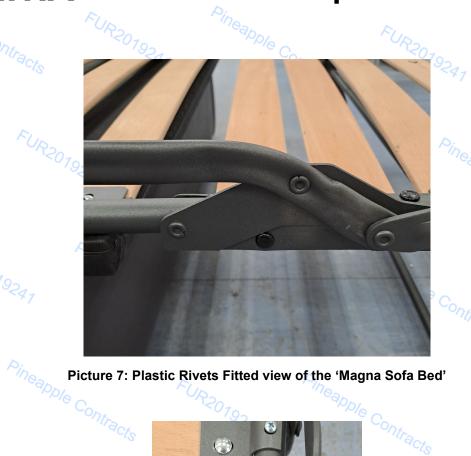
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Picture 7: Plastic Rivets Fitted view of the 'Magna Sofa Bed'



Pineapple Contracts Picture 8: Plastic Rivets Fitted view of the 'Magna Sofa Bed'

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