



Test Report

No.: 70.404.24.14089.01

Date: 2025-01-17

Applicant: MILENYUM METAL DIS TIC VE SAN A.S.
Address: 8TH STR. NO:9 KAYSERI FREE ZONE 38070 KAYSERI / TURKEY
Product Name: ROSE MODEL METAL BUNK BED
Model No: 90CM X 200CM
Manufacturer: MILENYUM METAL DIS TIC VE SAN A.S.
Buyer: MILENYUM METAL DIS TIC VE SAN A.S.
Country of Origin: TURKEY
Country of Destination: TURKEY
Receipt Date of Sample: 2024-12-23
Date of Testing: 2024-12-23 ~ 2025-01-17
Sample Submitted: The sample(s) was (were) submitted by applicant and identified.
Test Result: Refer to the data listed in following pages

Test Item	Conclusion
Sample 1&2:	
1. EN 1725: 2023 Furniture - Beds - Requirements for Safety, strength and durability (Domestic use)	Pass
Sample 3:	
1. EN 747-1:2024 Furniture-Bunk beds and high beds-Part 1: Safety, strength and durability requirements (EN 747-2:2024 Furniture-Bunk beds and high beds-Part 2: Test methods)	Pass

TÜV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
Testing Center

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- (4) Disclaimer Measurement Uncertainty:
Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

Description of Tested Subject:

1	Product Description	ROSE MODEL METAL BUNK BED
2	Dimensions / Weight – Sample 1	L2090 x W967 x H657 (mm) / 19.7 (kg)
	Dimensions / Weight – Sample 2	L2090 x W967 x H655 (mm) / 24.8 (kg)
	Dimensions / Weight – Sample 3	L2090 x W967 x H1590 (mm) / 46.1 (kg)
3	Test level	Domestic use

Sample 1

Front view



Side view



Top view



Bottom view



Sample 2

Front view



Side view



Top view



Bottom view



Sample 3

Front view



Side view



Top view



Bottom view





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Test Result(s):

1. Test results of Sample 1:

1.1 EN 1725: 2023 Furniture - Beds - Requirements for Safety strength and durability

Item	Requirement-test item	Result, Remark	Evaluation
6	Safety requirements		P
6.1	General requirements		P
6.2	Holes in tubular or rigid components		P
6.3	Shear and compression points		P
6.3.1	General		-
6.3.2	Shear and compression points when setting up and folding		P
6.3.3	Shear and compression points under influence of powered mechanisms		N/A
6.3.4	Shear and compression points during use		P
6.4	Entanglement hazards		N/A
6.5	Durability of electrically operated bed mechanism		N/A
6.6	Stability, strength and durability		P
6.6.1	General		P
	Vertical static load on bed base ISO 19833:2018, 6.3.1	Test force: 1400N Cycles: 10	P
	Vertical static load on side rail ISO 19833:2018, 6.3.2	Test force: 1200N x 2 Cycles: 10	P
	Horizontal static load on headboard of beds ≤ 1 200 mm in width ISO 19833:2018, 6.4.1	Mass: 100kg Test force: 200N Cycles: 10	P
	Horizontal static load on headboard of beds > 1 200 mm in width ISO 19833:2018, 6.4.2		N/A
	Horizontal static load test for beds without headboards and for all beds with folding legs (with or without headboards) ISO 19833:2018, 6.4.3		N/A
	Vertical durability test of bed base ISO 19833:2018, 6.5.1	Test force: 1000N Cycles: 10000	P
	Horizontal durability test of bed frame ISO 19833:2018, 6.5.2	Test force: 150N Cycles: 2500	P
	Vertical impact test ISO 19833:2018, 6.6	Height: 180mm Cycles: 10	P
	Durability of mechanisms for lifting bed bases ISO 19833:2018, 7.2		N/A
	Durability of sofa-bed function EN 13759:2012		N/A



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Item	Requirement-test item	Result, Remark	Evaluation
	Durability of electrically operated beds EN 1725:2023,6.5		N/A
	Stability ISO 19833:2018, 6.2	Test force F1: 600N Test force F2: 600N Test force F3: 20N Test force F4: 20N	P
6.6.2	Stability, strength and durability requirements		P
7	Information for use		P

Abbreviation: P=Pass; F=Fail; N/A = Not Applicable; N/T=Not Tested; N/R=Not Requested

2. Test results of Sample 2:

2.1 EN 1725: 2023 Furniture - Beds - Requirements for Safety strength and durability

Item	Requirement-test item	Result, Remark	Evaluation
6	Safety requirements		P
6.1	General requirements		P
6.2	Holes in tubular or rigid components		P
6.3	Shear and compression points		P
6.3.1	General		-
6.3.2	Shear and compression points when setting up and folding		P
6.3.3	Shear and compression points under influence of powered mechanisms		N/A
6.3.4	Shear and compression points during use		P
6.4	Entanglement hazards		N/A
6.5	Durability of electrically operated bed mechanism		N/A
6.6	Stability, strength and durability		P
6.6.1	General		P
	Vertical static load on bed base ISO 19833:2018, 6.3.1	Test force: 1400N Cycles: 10	P
	Vertical static load on side rail ISO 19833:2018, 6.3.2		N/A
	Horizontal static load on headboard of beds ≤ 1 200 mm in width ISO 19833:2018, 6.4.1	Mass: 100kg Test force: 200N Cycles: 10	P
	Horizontal static load on headboard of beds > 1 200 mm in width ISO 19833:2018, 6.4.2		N/A
	Horizontal static load test for beds without headboards and for all beds with folding legs (with or without headboards) ISO 19833:2018, 6.4.3		N/A
	Vertical durability test of bed base ISO 19833:2018, 6.5.1	Test force: 1000N Cycles: 10000	P



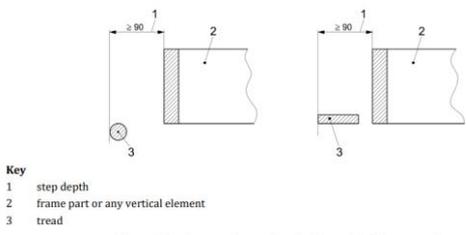
Item	Requirement-test item	Result, Remark	Evaluation
	Horizontal durability test of bed frame ISO 19833:2018, 6.5.2	Test force: 150N Cycles: 2500	P
	Vertical impact test ISO 19833:2018, 6.6	Height: 180mm Cycles: 10	P
	Durability of mechanisms for lifting bed bases ISO 19833:2018, 7.2		N/A
	Durability of sofa-bed function EN 13759:2012		N/A
	Durability of electrically operated beds EN 1725:2023,6.5		N/A
	Stability ISO 19833:2018, 6.2	Test force F1: 600N Test force F2: 600N Test force F3: 20N Test force F4: 20N	P
6.6.2	Stability, strength and durability requirements		P
7	Information for use		P

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3. Test results of Sample 3:

3.1 EN 747-1:2024 Furniture-Bunk beds and high beds-Part 1: Safety, strength and durability requirements(EN 747-2:2024 Furniture-Bunk beds and high beds-Part 2: Test methods)

Clause	Requirement	Test Result	Conclusion
4	Safety requirements		P
4.1	Construction		P
4.1.1	General		P
4.1.2	Accessible holes, gaps and openings		-
4.1.2.1	General		P
4.1.2.2	Head entrapment on the outside of the bunk bed/high bed		N/A
4.1.3	Bed base		-
4.1.3.1	Dimensional requirements		P
4.1.3.2	Gaps and openings		P
4.1.3.3	Ventilation		P
4.1.3.4	Structural integrity		P
4.1.4	Safety barriers around upper beds		-
4.1.4.1	General requirements		P
4.1.4.2	Dimensional requirements		P
4.1.4.3	Gaps and openings		P
4.1.4.4	Structural integrity		P
4.1.5	Means of access		-
4.1.5.1	General		P
4.1.5.2	Gaps and openings		P
4.1.5.3	The ladder shall either be vertical or shall be inclined towards the upper bed or the access platform (see 4.1.4.1).		P

Clause	Requirement	Test Result	Conclusion
	If there is an opening for access in the safety barrier, the distance between the top tread and the highest point of the opening shall not be more than 500 mm.		P
	The distance from the floor to the upper surface of the first tread shall not exceed 400 mm.		P
	The vertical distance between the upper surfaces of two successive treads shall be (250 ± 50) mm.		P
	The distance between the upper surfaces of the treads shall be equal with a tolerance of ± 5 mm.		P
	The treads shall be horizontal in width within $\pm 3^\circ$.		P
	The clear distance between two successive treads shall be at least 200 mm.		P
	The usable width of the treads shall be at least 300 mm.		P
	The front edges of all treads shall lie on a straight line within ± 20 mm.		P
	With the exception of the frame of any upper bed, the bed frame can be used as a tread as long as the requirements in 4.1.5.2 are fulfilled.		P
	The effective step depth shall be measured without the mattress in place and shall be at least 90 mm (see Figure 5). <small>Dimensions in millimetres</small>		P
	 <p>Key 1 step depth 2 frame part or any vertical element 3 tread</p> <p>Figure 5 — Gaps and step depth - Example of construction</p>		
4.1.5.4	Stairs and handrails		-
4.1.5.4.1	General requirements		N/A
4.1.5.4.2	The handrail shall be not less than 600 mm and not more than 850 mm above the standing surface. The width of the handrail shall not exceed 60 mm. The vertical distance between the upper surfaces of two successive treads shall be (250 ± 50) mm. The clear distance between two successive treads shall be at least 200 mm. The distance between the upper surfaces of the treads shall be equal with a tolerance of ± 5 mm. The treads shall be horizontal in both depth and width within $\pm 3^\circ$. The usable width of the treads shall be at least 450 mm.		N/A



Clause	Requirement	Test Result	Conclusion
	The front edges of all treads shall lie on a straight line within ± 20 mm. The minimum depth of each tread shall be 200 mm		
4.1.5.4.3	Structural integrity		N/A
4.1.5.5	Additional requirements for access platforms (see A.4)		-
4.1.5.5.1	General requirements		N/A
4.1.5.5.2	Dimensional requirements		N/A
4.1.5.5.3	Gaps and openings		N/A
4.1.5.5.4	Structural integrity		N/A
4.1.6	Shear and squeeze points		P
4.1.7	All other accessible holes, gaps or openings		P
4.2	Strength of ladder or other means of access: Attachment, deflection and strength		P
4.3	Strength of frame and fastenings		P
4.4	Stability		P
4.5	Fastening of the upper bed to the lower bed		P
5	Product information		-
5.1	Marking		P
5.2	Instructions for use		P
5.3	Purchase information		N/T
6.1	Inspection before testing		P
6.2	Inspection of product		P
6.3	Measurements		-
6.3.1	Holes, gaps and openings		P
6.3.2	V and irregular shaped holes, gaps and openings		N/A
6.4	Strength and durability tests		-
6.4.1	Positioning of the bed		P
6.4.2	Test of the bed base		-
6.4.2.1	Upwards and downwards static load test		P
6.4.2.2	Durability test		P
6.4.2.3	Impact test		P
6.4.3	Test of the safety barriers around bed		P
6.4.4	Durability test of frame and fastenings		P
6.4.5	Test of means of access		-
6.4.5.1	Vertical static load on treads of stairs and ladders		P
6.4.5.2	Horizontal static loads on treads of ladders		P
6.4.5.3	Durability of treads of stairs and ladders		P
6.4.5.4	Tread impact test of stairs and ladders		P
6.4.5.5	Handrails		N/A
6.4.6	Test of platforms and platform barriers		-
6.4.6.1	General		N/A
6.4.6.2	Static load on platform barriers		N/A
6.4.6.3	Platform static load test		N/A
6.4.6.4	Platform impact test		N/A
6.5	Stability test		P

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Clause	Requirement	Test Result	Conclusion
6.6	Fastening of the top bed to the bottom bed		P

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Remark:

- 1. The sample has been examined according to the requirements described in the product standard.
- 2. The purchase information was not submitted by the client.

-End of Test Report-

