Shower and toilet chair, toilet stool, shower bench, mobile shower couch and accessories / English Version

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Test institute: Berlin Cert - Prüf- und Zertifizierstelle für Medizinprodukte GmbH

an der Technischen Universität Berlin

Dovestr. 6, D-10587 Berlin

Tel.: +49(0)30-314-25111, Fax: -23719

Client: Mobilex A/S, Nörskovvej 1, DK-8660 Skanderborg

Manufacturer: Mobilex A/S, Nörskovvej 1, DK-8660 Skanderborg

Test sample: Type / model: Swivel bather / 302022

Quantity / Identification: 1 / no labelling on the product

Receipt / condition: 2008-01-14 / new





Handed in later

Basis of tests: The tests are performed according to internal standards of the Berlin Cert

GmbH according to:

ISO 7176-1:1999 Wheelchairs - Part 1: Determination of static stability ISO 7176-8:1998 Wheelchairs - Part 8: Static, impact and fatigue strength ISO 7173:1989 Furniture - Chairs and stools - Determination of strength

and durability

DIN EN 60601-2-38:2001 Medical electrical equipment - Part 2-38: Particular requirements for the safety of electrically operated hospital beds

Accreditation: Accredited by the "Zentralstelle der Länder für Gesundheitsschutz bei

Arzneimitteln und Medizinprodukten" ZLG-P-946.97.02

Kind of the test: Complete test

Test period: 2008-01-15 to 2008-02-26
Test location: Rooms of the test institute

Test result: The test requirements are fulfilled.

established: 2008-02-26 released: 2008-02-26

Dipl.-Ing. M. Kyslenko Dipl.-Ing. T. Knitter

This test report may only be quoted in full. Any use for advertising purpose must be granted in writing.

This report is the result of a single examination of the object in question and is not generally applicable evaluation of the other products in regular production.

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Explanation to Compliance:

Pass: The tested unit was found to comply with the requirement.

No: The tested unit does not comply with the requirement.

N/A: The tested unit was not applicable.

Test methods and -requirements:	Co	mplian	ce:	Comments:				
		No	N/A					
1. General requirements								
Requirements according DIN EN 12182	\boxtimes			See test report no.: P-08-015-MP-PA041-E, Berlin Cert GmbH		Ε,		
Limits of max. adjustment ranges for e.g. armrests and footrests have to be marked	\boxtimes							
2. Test of static stability								
Requirement: Tilting angle ≥ 2° in all directions	ement: Tilting angle ≥ 2° in all directions		Stability					
					for- wards	side- wards	back- wards	
				\boxtimes	Seat position	0	D	0
				Leaned forward	a	٥	٥	
3. Static strength								
at the conclusion of the tests: No component shall be fractured or have visible cracks. No nut, bolt screw, locking-pin, adjustable component or similar item shall have become detached after having been tightened, adjusted or refitted once. No electrical connector shall be displaced or disconnected. All parts intended to be removable, foldable or adjustable shall operate as described by the manufacturer. All power-operated systems shall operate as described by the manufacturer. Handgrips shall not be displaced. Any multiposition or adjustable component shall not be displaced from the preset position. No component or assembly of parts shall exhibit deformation, free play or loss of adjustment that adversely affects the function of the test sample.								
Static strength of seat acc. to DIN EN 12182	\boxtimes			Load: F = 1950	N			
Static strength of armrest acc. to ISO 7176-8	\boxtimes			Load: F = 990	N (dow	nward)		
Static strength of table top			\boxtimes	Load: F =	N			

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Test methods and -requirements:		mplian	ce:	Comments:		
	Pass No N/A		N/A			
Static strength of backrest acc. to ISO 7173	\boxtimes			Load: Fstat = 560 N, Fbal = 1300 N		
Static strength of footrests acc. to ISO 7176-8			\boxtimes	Load: F = N		
Leg forward static load acc. to ISO 7173			\boxtimes	Load: Fstat = N, Fbal = N, by F = N tilting		
Leg sideways static load acc. to ISO 7173			\boxtimes	Load: Fstat = N, Fbal = N, by F = N tilting		
4. Dynamic strength						
A test sample shall meet all the following requirements at the conclusion of the tests:						
 No component shall be fractured or have visible cracks. 						
- No nut, bolt screw, locking-pin, adjustable component or similar item shall have become detached after having been tightened, adjusted or refitted once.						
 No electrical connector shall be displaced or disconnected. 						
 All parts intended to be removable, foldable or adjustable shall operate as described by the manufacturer. 						
- All power-operated systems shall operate as described by the manufacturer.						
- Handgrips shall not be displaced.						
 Any multiposition or adjustable component shall not be displaced from the preset position. 						
 No component or assembly of parts shall exhibit deformation, free play or loss of adjustment that adversely affects the function of the test sample. 						
Dynamic strength of seat	\boxtimes			Load: F = 900 - 1700 N, load-cycle changes: 100000		
Dynamic strength of armrest	\boxtimes			Load: F = 260 - 650 N, load-cycle changes: 20000		
Dynamic strength of table top			\boxtimes	Load: F = - N, load-cycle changes: 20000		
Dynamic strength of backrest acc. to ISO 7173	\boxtimes			Load: F = 330 N (up to 200 kg UW), load-cycle changes:		
Drop Test acc. to ISO 7173	\boxtimes			Drop height: 450 mm, load-cycle changes: 10		

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Test methods and -requirements:		mplian	ce:	Comments:
		no	N/A	
5. Requirements for mobile shower couch (acc. to EN	60601-	2-38 cl	ause 21)	
Side rails:				
- have to be equipped with the possibility to be locked or engaged in upright / closed position			\boxtimes	
- accidentally disengagement or unlocking in normal use does not appear.			\boxtimes	
 side rails are not in upright/locked position if not locked or engaged 			\boxtimes	
Additional requirements for shower couch which is intend	ed to be	mobile	while ac	commodating a patient
Impact test: - without permanent deformation or loss of normal use			\boxtimes	
Static strength of side rail			\boxtimes	
Static stability of shower couch			\boxtimes	
Static strength of head and foot panel assemblies			\boxtimes	
Threshold test: - without permanent deformation or loss of normal use			\boxtimes	
6. Information supplied by the manufacturer				
6.1 Labeling and Information marked on the product				
- each product shall be clearly and indelibly marked with the following:	\boxtimes			
- maximum permissible user mass;	\boxtimes			
- manufacturer's name or trade name and address;	\boxtimes			
- manufacturer's model identification name and/or number.	\boxtimes			
6.2 Instructions for use include:				
- technical data;	\boxtimes			
- manufacturer's name or trade name and address;	\boxtimes			
- intended purpose;	\boxtimes			
- maximum permissible user mass;	\boxtimes			
- overall view;	\boxtimes			
- information about operating;	\boxtimes			
 information about tools for reparation and/or for adjustment of parts; 			\boxtimes	
- register of accessories;			\boxtimes	
 annotation about used symbols and pictograms on the product; 			\boxtimes	
- safety instructions	\boxtimes			
 defined information for mounting at the wall (method of mounting); 	\boxtimes			

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- recommended methods of		pass	no	N/A				
		\boxtimes		117 Shame 21				
	,							
- information about warranty;		\boxtimes						
- warning notice for dangerous adjustments.		\boxtimes						
Technical data:								
Max. body weight of the user:		130 kg						
Overall weight:		4,6 kg						
Tip ∅:		n.a.						
Overall dimensions (I x w x I	n):	520 mm /	700 mr	n / 540 mm	1			
Backrest angle to seat surfa	ce:	95°						
Seat surface height at front	edge:	200 mm						
Seat width / - length:		410 mm / 330 mm						
Fixation on WC:		n. a.						
Fixation at the wall:		n. a.						
Fixation on the bath tube with setting range (for bath tube interior area):		hang up						
Submitted documents:	see test report no.: P-0	08-015-MP-PA041-E						
Test equipment:					used			
PM 3031	Digitaler Messschieber	(180 mm)) mm) 🖂					
PM 3034	Neigungsmesser - digit	al	\boxtimes					
PM 1012	Kippplattform							
PM 3060	Elektronische Kranwaa	ge	\boxtimes					
PM 1025	Maßband (7,5 m)			\boxtimes				
PM 1046	Hydraulikprüfstand (Kä	fig)		\boxtimes				
PM 3024	Kraftmessdose		\boxtimes					
PM 3045	Elektronisches Handkra	aftmessger	ät	\boxtimes				
Notes:								