

ITRE FOR TESTING AND CERTIFICATION - MECH-TEST

Mechanical Laboratory

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Date 5.01.2016

TEST REPORT NO. *CBC* –150/2015

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Subject of testing:

Walking aids with built-in handgrips and three or

Classification according to

more legs of which two or more are having wheels,

PN-EN ISO 9999:2011:12 06 06

which provide support whilst walking

Type / Model:

Kudu Rollator

LARGE

Nr kat.: 312075

SN: G-575290

Number of specimens: 1

Manufacturer:

MOBILEX A/S

Nørskovvei 1

DK-8660 Skanderborg

Applicant:

A-Net s.c.

93-469 Łódź.

ul. Łaskowice174

Kind of testing

Mechanical testing for conformity with PN-EN ISO 11199-2: 2005

excluding clause 4.10, 6.2, 6.3

Test started: 17.12.2015

Test finished: 5.01.2016

Approved by:

Special comments / enclosures:

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Test results refer only to tested units.

Test results reported here are not applicable to the further modifications of the product affecting its structure, material or technology.

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CHARACTERISTIC OF PRODUCT

Name: Kudu LARGE **Dimension of rollator:**

Nr. kat: 312075

Product code: Mass of rollator:

8,085 kg

Maximum permissible user mass: 150 kg

PHOTO OF PRODUCT

	Descript	ion				
Elei	ments/parameters/materials/dimensions Comments					
Dimensions od walking rollator (fig. 2 PN-EN ISO 11199-2)	Distance between	475 mm				
	handgrips (dimension 2)					
	Angle between of handgrip	00				
	axis and direction of					
	movement (α)					
	Height of rollator	800 mm	min.			
ws VIS	(dimension 6)	987 mm	max.			
P E	Width of rollator	625 mm				
Sir PN	(dimension 5)					
ısic	Turning width	830 mm				
ner (fig	(dimension 1)					
Ö	Length of rollator	667 mm				
	(dimension 4)					
Dimens	sions of folded rollator (mm)	670 x 820 x	295			
33	Handgrip - diameter	33 mm	Anatomical			
Fig.			handgrip			
	Handgrip - length	100 mm				
_	Front wheels- quantity	2	castor			
Wheels of rollator	Front wheels - diameter	201 mm	wheels			
	Front wheels – width	34 mm				
	Front wheels - brake	none				
	Rear wheels - quantity	2				
	Rear wheels - diameter	201 mm				
	Rear wheels - width	34 mm				
	Rear wheels - brake	Included				
Tip	Diameter					
	Material	Not any				
	Colour					
4	Front legs	Aluminum,				
	Bracing member (no. 8)	steel, plastic	,			
	Rear legs	Bolts, nuts				
	Height adjusting device (no.					
ffig	4)					
Ma	Handgrip (no 5),	plastic				
	Brake elements	L				





Kudu rollator For outdoor and indoor use

MOBILEX A/S Grønlandsvej 5 DK - 8660 Skanderborg Norskovvej 1 Tel: +45 87 93 22 20

www.mobilex.dk

Max. 150 kg

Max. width = 63 cm

Max. load in bag = 5 kg 🔟



Produced May. 2015











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		RE	SULT (OF TESTS ACCORDIN	IG TO PN	-EI	N ISO 11199	-2:200	05
Requiremen ts according to clause	Test me- thod according to clause		Checked characteristics/assemblies/parameters			Real value	Test result	Comments	
4.1	Measur.	Mar	Manoeuvrability				ø 201 mm width 34 mm Conf.	Pos.	ø front wheels ≥75mm outdoor intended rollator: ø front wheels ≥180mm
4.2	5.3	For	ward-direc	etion stability			21,2 ° Conf.	Pos.	width of wheels ≥22mm Stability required ≥ 15°
4.2	5.4			ection stability			10,0° Conf.	Pos.	Stability required ≥ 7°
4.2	5.5			tion stability			3,6 ° Conf.	Pos.	Stability required ≥ 3,5°
4.2	5.6		oility –		forwards		0 ⁰ /19,2 ⁰ Conf.	Pos.	Stability required ≥ 15°
		with	loaded b	ag, /+tray	backwards	14,2	2.0/16,20 Conf.	Pos.	Stability required ≥ 7°
4.3	V/I		Servicing wheels	g facility during rollator motion w	side ith more than 2		5 ⁰ /7,1 ⁰ Conf. Conf.	Pos. Pos.	Stability required $\geq 3.5^{\circ}$
	V/I		resting se	orakes in rollator with more than 2 eat or intended for outdoor use	2 wheels and		Conf.	Pos.	
	5.7.1.1			p distance (fig. 4, dimension 1)			75 mm Conf.	Pos.	≤ 75 mm
	5.7.1	100	Running	brake effectiveness			Conf.	Pos.	Movement of rollator ≤10 mm in 1 minute
	Measur.	Brakes	Force to	set parking brake			30N Conf.	Pos.	≤ 60 N
	Measur.	Bi	Force to	release parking brake	- the Caronini		20N Conf.	Pos.	≤ 40 N
	5.7.2		Parking b	orake effectiveness			Conf.	Pos.	Movement of rollator ≤ 10 mm in 1 minute
	V/I		Possibilit	y to compensate brake wear			Conf.	Pos.	
	V/I			t adversely affected by folding, un actions of rollator	nforlding or		Conf.	Pos.	
4.4	Measur. V/I	Han	Handgrip				33 mm Conf.	Pos.	Width of handgrip ≥20mm and ≤50mm
4.5	Measur. V/I		Leg section and tip					N/A	ø tip ≥35mm (tested rollator is equipped in four wheels)
4.6	5.10			static loading durability			Conf.	Pos.	1 minute under load 1,2 x user`s weight±2% (180kg)
4.7	5.12		echanical urability	Fatigue test			Conf.	Pos.	200 000 cycles with load. 120kg±2%, f=1Hz
4.7	5.11			Static loading test			Conf.	Pos.	loading 180kg±2%, 5sek.
4.8	V/I		isting devi				Conf.	Pos.	
4.9	5.14	Fold	ling mecha				Conf.	Pos.	
4.11	ISO 10993- 1	SI 4	E B	iocompatibility of material with h	iuman body			N/T	
	V/I	Materials	Fi	ree of discolouring of skin or clot ith rollator materials	hing in contact		Conf.	Pos.	
	V/I	~ 3	B	urrs, shar edges, projections			Conf.	Pos.	
(0)	***		, .	Marking and labe	elling of produc	et) I em	T
6.2	V/I		laximum u		artrad an acces			N/T N/T	
		c) M	laximum s	afe working load (SWL) to be mail lowed angle between the longitude.	arked on acces	sories	he	IN/I	
		hand		direction of motion, if the handle				N/T	
	ĺ			er's name or trade name and addr				N/T	
	ļ			er's model identification name an	d/or number			N/T	
		g) M	laximum e	vear of manufacture extension of the height adjustment	t, marked on th	ne		N/T N/T	
			sting mem Iaximum v					N/T	
			h) Maximum width of the rollator i) Rollator intended for outdoor/indoor use				N/T		
4.10	V/I			ing allowed angle between handlohysical stop of angle adjusting	e axis and dire	ction	of	N/T	
			NAME OF THE OWNER O						



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		Contents of user manual and/or assembly manual or clear and indeli	ble markin	g of produc	ct		
6.3	V/I	a) Maximum rollator height		N/T			
		b) Minimum rollator height		N/T			
		c) maintenance and cleaning instructions, including a description of the method and suitable cleaning agents and any precautions needed to avoid corrosion and/or ageing of the materials used in construction of the rollator		N/T			
		d) Instructions for assembly, adjustment of all kinds, folding and unfolding		N/T			
		e) Warnings and advice about precautions relating to safe distances between moving and stationary parts (see EN 12182, Clauses 12 and 13, for guidance)		N/T			
		f) Maximum safe working load (SWL) for load carrying accessories such as basket, tray, shopping bag, etc.		N/T			
4.10	V/I	Warning in user manual on consequences of such an adjustment of angle between handle longitudinal axis and direction of movement outside allowed value (when handles are adjustable aside).		N/T			
		TEST CONDITIONS	1	···············			
Ambient temperature			19°C		Required temperature 21°C ±5°C		
Relative humidity of air:			55 %		Not required		
Comme	nts:						
		maximum height adjustment of rollator.					
Il tests	performend in t	he least stabble position of self-adjusting wheels.		78. 47			
ests per	rformed with ha	ndles positioned at their maximum (allowed) angle to the direction of moti	on (when a	djustment is	s possible).		
		ity test, static loading test, fatigue test.					
	ator was tested.						
uring	visual inspecti	on before testing any visible defects that could have influence on te	st results v	were not st	ated.		
		r - negative: N/T - not tested: N/A - not applicable: N/P - not reg					

Pos. – positive; Neg – negative; N/T – not tested; N/A – not applicable; N/R – not required , N/O – not occurred , V/I. – visual inspection, Conf.- conformed.

- NOTE 1: Deformation 55 mm, elastic deformation 50 mm, permanent deformation 5 mm.
- NOTE 2: An additional fatigue tests on the two-drum stand with obstacles of a height of 12mm, according to ISO 7176-8: 2002, p. 10.4.2., was performed.
 - ▶ The handles were loaded with a load of 120 kg. After 15 000 cycles, the rolator was not damaged. The test result was positive.
 - ▶ The seat was loaded with a load of 100 kg. After a further 35 000 cycles, the rolator was not damaged. The test result positive
- NOTE 3: Additional Drop Pouch tests were performed. The seat was loaded with a mass of 100 kg.

 Rear of the rolator was dropped (on wheels) 5 times from a height of 100mm. Rolator was not damaged. The test result positive.

CONCLUSIONS:

Testing object **conforms** with requirements of PN-EN ISO 11199-2: 2005, excluding clause 4.10, 6.2, 6.3 in scope of mechanical testing ordered by client, excluding biocompatibility tests of material with human body according to PN-EN ISO 10993-1:2010.

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