



CENTRE FOR TESTING AND CERTIFICATION - MECH-TEST

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Date 15.02.2021


TEST REPORT NO. **CBC -014/2021**

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Subject of testing:	<i>Walking aids with built-in handgrips and three or more legs of which two or more are having wheels, which provide support whilst walking</i>	Classification according to PN-EN ISO 9999:2017-02 : 12 06 06
Type / Model:	<i>Panther rollator For outdoor and indoor use</i>	Item no.: 318001 SN: 0001
Manufacturer:	<i>MOBILEX A/S Grønlandsvej 5 DK-8660 Skanderborg</i>	Number of specimens: 1
Applicant:	<i>A-Net s.c. 93-469 Łódź, ul. Łaskowice174</i>	
Kind of testing	<i>Mechanical testing for conformity with PN-EN ISO 11199-2 : 2005</i>	
Test started:	8.02.2021	
Test finished:	15.02.2021	

Approved by:

DYREKTOR


mgr inż. Andrzej Tkaczyk

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 : <i>Panther rollator</i>	Dimension of rollator: --
Item no: <i>318001</i>	SN: <i>0001</i>
Maximum permissible user mass: <i>150 kg</i>	Mass of rollator: <i>6,73 kg</i>

Description		Comments	
Elements/parameters/materials/dimensions			
Dimensions of walking rollator (fig. 2 PN-EN ISO 11199-2)	Distance between handgrips (dimension 2)	<i>438-466 mm</i>	
	Angle between of handgrip axis and direction of movement (α)	<i>0°</i>	
	Height of rollator (dimension 6)	<i>783 mm</i>	<i>min.</i>
		<i>1008mm</i>	<i>max.</i>
	Width of rollator (dimension 5)	<i>650 mm</i>	
	Turning width (dimension 1)	<i>940 mm</i>	
	Length of rollator (dimension 4)	<i>755 mm</i>	
Dimensions of folded rollator (mm)		<i>818 x 755 x 220</i>	
Fig. 3	Handgrip - diameter	<i>40 mm</i>	<i>Anatomical handgrip</i>
	Handgrip - length	<i>110 mm</i>	
Wheels of rollator	Front wheels- quantity	<i>2</i>	<i>castor wheels</i>
	Front wheels - diameter	<i>198 mm</i>	
	Front wheels - width	<i>32/34 mm</i>	
	Front wheels - brake	<i>none</i>	
	Rear wheels - quantity	<i>2</i>	
	Rear wheels - diameter	<i>198 mm</i>	
	Rear wheels - width	<i>32/34 mm</i>	
Rear wheels - brake	<i>Included</i>		
Tip	Diameter		
	Material	<i>Not any</i>	
	Colour		
Material of rollator (fig. 1)	Front legs	<i>Aluminum,</i>	
	Bracing member (no. 8)	<i>Hard plastic,</i>	
	Rear legs	<i>Bolts, nuts</i>	
	Height adjusting device (no. 4)		
	Handgrip (no 5), Brake elements	<i>Hard plastic</i>	



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Panther rollator
For outdoor and indoor use
Item nr. 318001

CE Max. 150 kg
MD Max. width = 65 cm
Max. load in basket = 5 kg

Produced 2021.01.27
Serial nr. 0001

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RESULT OF TESTS ACCORDING TO PN-EN ISO 11199-2:2005

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters		Real value	Test result	Comments
4.1	Measur.	Manoeuvrability		\varnothing 110 mm width 32mm Conf.	Pos.	\varnothing front wheels ≥ 75 mm outdoor intended rollator: \varnothing front wheels ≥ 180 mm width of wheels ≥ 22 mm
4.2	5.3	Forward-direction stability		17,0 ⁰ Conf.	Pos.	Stability required $\geq 15^\circ$
4.2	5.4	Backward-direction stability		18,8 ⁰ Conf.	Pos.	Stability required $\geq 7^\circ$
4.2	5.5	Sideway-direction stability		5,9 ⁰ Conf.	Pos.	Stability required $\geq 3,5^\circ$
4.2	5.6	Stability – with loaded basket, bag, drip, oxygen cylinder	forwards	15,6 ⁰ Conf.	Pos.	Stability required $\geq 15^\circ$
			backwards	22,5 ⁰ Conf.	Pos.	Stability required $\geq 7^\circ$
			side	7,9 ⁰ Conf.	Pos.	Stability required $\geq 3,5^\circ$
4.3	V/I	Brakes	Servicing facility during rollator motion with more than 2 wheels	Conf.	Pos.	
	V/I		Parking brakes in rollator with more than 2 wheels and resting seat or intended for outdoor use	Conf.	Pos.	
	5.7.1.1		Brake grip distance (fig. 4, dimension 1)	75 mm Conf.	Pos.	≤ 75 mm
	5.7.1		Running brake effectiveness	Conf.	Pos.	Movement of rollator ≤ 10 mm in 1 minute
	Measur.		Force to set parking brake	30N Conf.	Pos.	≤ 60 N
	Measur.		Force to release parking brake	15N Conf.	Pos.	≤ 40 N
	5.7.2		Parking brake effectiveness	Conf.	Pos.	Movement of rollator ≤ 10 mm in 1 minute
	V/I		Possibility to compensate brake wear	Conf.	Pos.	
V/I	Brake not adversely affected by folding, unfolding or adjusting actions of rollator	Conf.	Pos.			
4.4	Measur. V/I	Handgrip		40 mm Conf.	Pos.	Width of handgrip ≥ 20 mm and ≤ 50 mm
4.5	Measur. V/I	Leg section and tip		–	N/A	\varnothing tip ≥ 35 mm (tested rollator is equipped in four wheels)
4.6	5.10	Resting seat – static loading durability		Conf.	Pos.	1 minute under load 1,2 x user's weight $\pm 2\%$ (180kg)
4.7	5.12	Mechanical durability	Fatigue test	Conf.	Pos.	200 000 cycles with load. 120kg $\pm 2\%$, f=1Hz
4.7	5.11		Static loading test	Conf.	Pos.	loading 180kg $\pm 2\%$, 5sek. NOTE 1
4.8	V/I	Adjusting devices		Conf.	Pos.	
4.9	5.14	Folding mechanism		Conf.	Pos.	
4.11	ISO 10993-1	Materials and finish	Biocompatibility of material with human body	–	N/T	
	V/I		Free of discolouring of skin or clothing in contact with rollator materials	Conf.	Pos.	
	V/I		Burrs, shar edges, projections	Conf.	Pos.	
Marking and labelling of product						
6.2	V/I	a) Maximum user mass		–	N/T	
		b) Maximum safe working load (SWL) to be marked on accessories		–	N/T	
		c) Maximum allowed angle between the longitudinal centreline of the handle and the direction of motion, if the handles are sideways adjustable		–	N/T	
		d) Manufacturer's name or trade name and address		–	N/T	
		e) Manufacturer's model identification name and/or number		–	N/T	
		f) Month and year of manufacture		–	N/T	
		g) Maximum extension of the height adjustment, marked on the adjusting members		–	N/T	
		h) Maximum width of the rollator		–	N/T	
		i) Rollator intended for outdoor/indoor use		–	N/T	
4.10	V/I	Warning showing allowed angle between handle axis and direction of movement or physical stop of angle adjusting		–	N/T	

Contents of user manual and/or assembly manual or clear and indelible marking of product

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

Ambient temperature	19°C	Required temperature 21°C ±5°C
Relative humidity of air:	55 %	Not required
Comments:		
All tests performed with maximum height adjustment of rollator.		
All tests performed in the least stable position of self-adjusting wheels.		
Tests performed with handles positioned at their maximum (allowed) angle to the direction of motion (when adjustment is possible).		
Sequence of tests: stability test, static loading test, fatigue test.		
One rollator was tested.		
During visual inspection before testing any visible defects that could have influence on test results were not stated.		

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 – 22 mm, elastic deformation – 22 mm, permanent deformation – 0 mm (0,0%).

CONCLUSIONS:

Testing object **conforms** with requirements of PN-EN ISO 11199-2 : 2005, 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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