CENTRE FOR TESTING AND CERTIFICATION - MECH-TEST
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Date 14.07.2021

TEST REPORT NO. *CBC –163/2021*

Subject of testing:	*Walking aids with built-in handgrips and three or more legs of which two or more are having wheels, which provide support whilst walking*	**Classification according to PN-EN ISO 9999:2017-02 : 12 06 06**
Type / Model:	*JAGUAR SUPREME* *indoor rollator*	**Nr kat.:** -- **REF:** *312415* **SN:** *0001*
Manufacturer:	*MOBILEX A/S* *Grønlandsvej 5* *DK – 8660 Skanderborg*	**Number of specimens:** *1*
Applicant:	*A-Net s.c.* *93-469 Łódź,* *ul. Łaskowice174*	
Kind of testing	*Mechanical testing for conformity with PN-EN ISO 11199-2 : 2005*	
Test started:	*7.07.2021*	
Test finished:	*14.07.2021*	

Approved by:

DYREKTOR
mgr inż. Andrzej Tkaczyk

Special comments / enclosures:

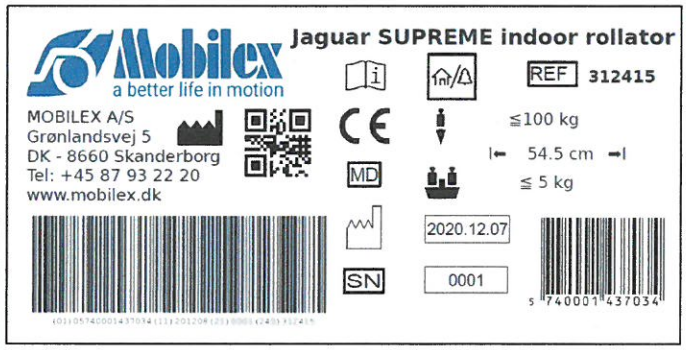
CHARACTERISTIC OF PRODUCT

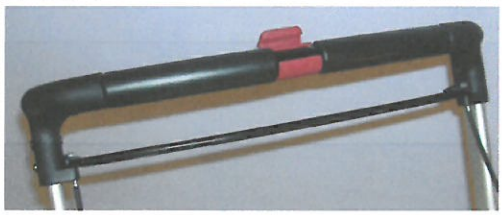
Name : ***JAGUAR SUPREME***	**Dimension of rollator:** --
SN: ***0001***	**REF:** ***312415***
Maximum permissible user mass: ***100 kg***	**Mass of rollator:** ***6,07 kg***

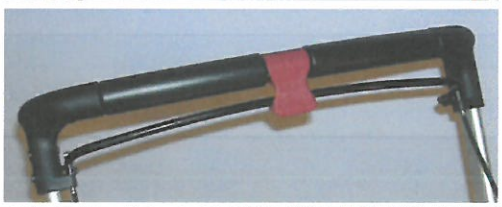
Description

Elements/parameters/materials/dimensions			Comments
Dimensions od walking rollator (fig. 2 PN-EN ISO 11199-2)	Distance between handgrips (dimension 2)	*230 mm*	
	Angle between of handgrip axis and direction of movement (α)	*80^0*	
	Height of rollator (dimension 6)	*834 mm*	*min.*
		948 mm	*max.*
	Width of rollator (dimension 5)	*569 mm*	
	Turning width (dimension 1)	*806 mm*	
	Length of rollator (dimension 4)	*666 mm*	
Dimensions of folded rollator (mm)		*930 x 569 x 285*	
Fig. 3	Handgrip - diameter	*29 mm*	
	Handgrip - length	*142 mm*	
Wheels of rollator	Front wheels– quantity	*2*	*castor wheels*
	Front wheels - diameter	*177 mm*	
	Front wheels – width	*35/32 mm*	
	Front wheels - brake	*none*	
	Rear wheels – quantity	*2*	
	Rear wheels - diameter	*177 mm*	
	Rear wheels - width	*35/32 mm*	
	Rear wheels - brake	*Included*	
Tip	Diameter	*Not any*	
	Material		
	Colour		
Material of rollator (fig. 1)	Front legs	*Aluminum, Steel, Hard plastic, Bolts, nuts*	
	Bracing member (no. 8)		
	Rear legs		
	Height adjusting device (no. 4)		
	Handgrip (no 5), Brake elements	*Hard plastic*	

PHOTO OF PRODUCT







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		*ø 177 mm width 32mm Conf.*	*Pos.*	***ø front wheels ≥75mm*** *outdoor intended rollator: ø front wheels ≥180mm width of wheels ≥28mm*
4.2	**5.3**	Forward-direction stability		*21,4 ^{0} Conf.*	*Pos.*	*Stability required ≥ 10°*
4.2	**5.4**	Backward-direction stability		*12,4 ^{0} Conf.*	*Pos.*	*Stability required ≥ 7°*
4.2	**5.5**	Sideway-direction stability		*6,8 ^{0} Conf.*	*Pos.*	*Stability required ≥ 3,5°*
4.2	**5.6**	Stability – with loaded basket, bag (5kg), drip, oxygen cylinder	forwards	*20,8 ^{0} Conf.*	*Pos.*	*Stability required ≥ 10°*
			backwards	*14,5 ^{0} Conf.*	*Pos.*	*Stability required ≥ 7°*
			side	*8,2 ^{0} Conf.*	*Pos.*	*Stability required ≥ 3,5°*
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)	*72 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	*60 N Conf.*	*Pos.*	*≤ 60 N*
	Measur.		Force to release parking brake	--	*N/A*	*≤ 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, unforlding or adjusting actions of rollator	*Conf.*	*Pos.*	
4.4	**Measur. V/I**	Handgrip		*29 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**	Resting seat – static loading durability		--	*N/A*	
4.7	**5.12**	Mechanical durability	Fatigue test	*Conf.*	*Pos.*	*200 000 cycles with load. 80 kg±2%, f=1Hz*
4.7	**5.11**		Static loading test	*Conf.*	*Pos.*	*loading 120kg±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	*Included*	*Pos.*	
		b) Maximum safe working load (SWL) to be marked on accessories	*Included*	*Pos.*	
		c) Maximum allowed angle between the longitudinal centreline of the handle and the direction of motion, if the handles are sideways adjustable	--	*N/A*	
		d) Manufacturer`s name or trade name and address	*Included*	*Pos.*	
		e) Manufacturer`s model identification name and/or number	*Included*	*Pos.*	
		f) Month and year of manufacture	*Included*	*Pos.*	
		g) Maximum extension of the height adjustment, marked on the adjusting members	*Included*	*Pos.*	
		h) Maximum width of the rollator	*Included*	*Pos.*	
		i) Rollator intended for outdoor/indoor use	*Included*	*Pos.*	
4.10	**V/I**	Warning showing allowed angle between handle axis and direction of movement or physical stop of angle adjusting	--	*N/A*	

Contents of user manual and/or assembly manual or clear and indelible marking of product					
6.3	**V/I**	a) Maximum rollator height	*Included*	*Pos.*	
		b) Minimum rollator height	*Included*	*Pos.*	
		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	*Included*	*Pos.*	
		d) Instructions for assembly, adjustment of all kinds, folding and unfolding	*Included*	*Pos.*	
		e) Warnings and advice about precautions relating to safe distances between moving and stationary parts (see EN 12182, Clauses 12 and 13, for guidance)	*Included*	*Pos.*	
		f) Maximum safe working load (SWL) for load carrying accessories such as basket, tray, shopping bag, etc.	*Included*	*Pos.*	
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/A*	

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 performend in the least stabble 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 – 35 mm, elastic deformation - 34 mm, permanent deformation – 1 mm (0,1%).

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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