

TRE FOR TESTING AND CERTIFICATION - MECH-TEST

Mechanical Laboratory

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Date 30.11.2015

TEST REPORT NO. *CBC* –100/2015

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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

Type / Model:

Impala rollator

For outdoor and indoor use

Art. nr.: 312060

312061 312062

Number of specimens: 3

Classification according to PN-EN ISO 9999:2011: 12 06 06

Manufacturer:

MOBILEX A/S

Nørskovvej 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

Test started: 29.09.2015

Test finished: 30.11.2015

Approved by:

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.

This test report shall be neither copied differently as in the whole nor be published without written consent of the Laboratory.



CHARACTERISTIC OF PRODUCT

Name: IMPALA rollator Dimension of rollator:

SN: -- Product code: 312060

Maximum permissible user mass: 150 kg

Mass of rollator: 7,50 kg
PHOTO OF PRODUCT

	Descripti		
Ele	ements/parameters/materials/d		Comments
1	Distance between handgrips (dimension 2)	477mm	
Dimensions od walking rollator (fig. 2 PN-EN ISO 11199-2)	Angle between of handgrip axis and direction of movement (α)	00	
[<u>]</u>	Height of rollator	785 mm	min.
wa	(dimension 6)	925 mm	max.
ns od	Width of rollator (dimension 5)	606 mm	
nensio (fig. 2 l	Turning width (dimension 1)	872 mm	
	Length of rollator (dimension 4)	697 mm	
Dimens	sions of folded rollator (mm)	945 x 606 x 33	30
ei C	Handgrip - diameter	31 mm	Anatomical handgrip
Fig.	Handgrip - length	96 mm	
	Front wheels- quantity	2	castor
Wheels of rollator	Front wheels - diameter	199 mm	wheels
llo.	Front wheels – width	34 mm	
f	Front wheels - brake	none	
S S	Rear wheels - quantity	2	
ee	Rear wheels - diameter	199mm	
W	Rear wheels - width	34 mm	
	Rear wheels - brake	Included	
Tip	Diameter		
	Material	Not any	
	Colour		
T.	Front legs	Aluminum,	
olla	Bracing member (no. 8)	Steel,	
fro	Rear legs	Hard plastic,	
rial o ig. 1)	Height adjusting device (no. 4)	Bolts, nuts	
Material of rollator (fig. 1)	Handgrip (no 5), Brake elements	Hard plastic	















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Requirements according to clause	Test me- thod according to clause		Checked characteristics/assemblies/parameters			ameters	Real	Test result	Comments
4.1	Measur.	Mai	Manoeuvrability				ø 199 mm width 30mm Conf.	Pos.	ø front wheels ≥75mm outdoor intended rollator: ø front wheels ≥180mm width of wheels ≥28mm
4.2	5.3	For	ward-dir	ectio	n stability	300000000000000000000000000000000000000	25,0° Conf.	Pos.	Stability required ≥ 10°
4.2	5.4				ion stability		11,5 ° Conf.	Pos.	Stability required ≥ 7°
4.2	5.5			ectio	n stability		4,2 ° Conf.	Pos.	Stability required $\geq 3.5^{\circ}$
4.2	5.6		oility –			forwards	24,0 ° Conf.	Pos.	Stability required ≥ 10°
1					et, bag, drip, oxygen cylinder	backwards	14,5 ° Conf.	Pos.	Stability required ≥ 7°
		(ma	x. load b			side	6,0 ° Conf.	Pos.	Stability required $\geq 3.5^{\circ}$
4.3	V/I		wheels		cility during rollator motion w		Conf.	Pos.	
	V/I		resting	seat	kes in rollator with more than 2 or intended for outdoor use	2 wheels and	Conf.	Pos.	
	5.7.1.1	4			distance (fig. 4, dimension 1)		75 mm Conf.	Pos.	≤ 75 mm
	5.7.1		Runnin	ig bi	rake effectiveness		Conf.	Pos.	Movement of rollator ≤ 10 mm in 1 minute
	Measur.	Brakes	Force t	o set	parking brake		30N Conf.	Pos.	≤ 10 mm in 1 minute ≤ 60 N
		3ra							
	Measur.		Force t	o rel	ease parking brake		10N Conf.	Pos.	≤ 40 N
	5.7.2				ke effectiveness		Conf.	Pos.	Movement of rollator ≤ 10 mm in 1 minute
	V/I		Possibi	ility 1	to compensate brake wear	-	Conf.	Pos.	
	V/I				dversely affected by folding, u	nforlding or	Conf.	Pos.	
4.4	Measur. V/I	Hai	Handgrip				31 mm Conf.	Pos.	Width of handgrip ≥20mm and ≤50mm
4.5	Measur. V/I	Leg	Leg section and tip					N/A	ø tip ≥35mm (tested rollator is equipped in for wheels)
4.6	5.10		=:		atic loading durability		Conf.	Pos.	1 minute under load 1,2 x user`s weight±2% (180 kg)
4.7	5.12		1echanic		Fatigue test		Conf.	Pos.	200 000 cycles with load 120 kg±2%, f=1Hz
4.7	5.11	- '	durability	y	Static loading test		Conf.	Pos.	loading 180 kg±2%, 5 sek.
4.8	V/I	Ad	justing d	levic	es		Conf.	Pos.	
4.9	5.14		ding me				Conf.	Pos.	07 TO CARE IN PRO-12 TO 12 TO 12
4.11	ISO 10993-1				compatibility of material with l	human body		N/T	
	V/I	 Material	s and finish		e of discolouring of skin or close n rollator materials	thing in contact	Conf.	Pos.	
	V/I	_ ≥	S III		rs, shar edges, projections		Conf.	Pos.	
					Marking and label	ling of product			
6.2			imum us				Included	Pos.	
					orking load (SWL) to be marke		Included	Pos.	
	h) Max andle djusta	and the	lowe direc	d angle between the longitudin tion of motion, if the handles a	al centreline of the re sideways	e	N/A	angle between direction of motion and longitudinal axis of handgrip not adjustab
	d) Man	ufacture	r's n	ame or trade name and address		Included	Pos.	V 4
	e) Man	ufacture	r's m	odel identification name and/o	r number	Included	Pos.	
	f) Mon	th and ye	ear o	f manufacture		Included	Pos.	
	g) Max	imum ex	ctens	ion of the height adjustment, m	narked on the	Included	Pos.	
	h) Max	imum w	idth	of the rollator		Included	Pos.	
	i	Rolla	ator inter	nded	for outdoor/indoor use		Included	Pos.	
4.10					llowed angle between handle as eal stop of angle adjusting	xis and direction of	of -	N/A	mundo katanaga dipagtio



Mecl	nanical La	boratory of CBC	Report		BC-100/2015 Page : 4 of 10
11 (10)		Contents of user manual and/or assembly manual or clear and indelibl	e marking	of produc	t
6.3	V/I	a) Maximum rollator height	<u> </u>	N/T	
1		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/A	angle between direction of motion and longitudinal axis of handgrip not adjustable
	:50	TEST CONDITIONS	***		
Ambient	temperature		21	°C	Required temperature 21°C ±5°C
Relative	humidity of	air:	60	%	Not required
Comme					
All tests	performed wit	h maximum height adjustment of rollator.			
		the least stabble position of self-adjusting wheels.			
		andles positioned at their maximum (allowed) angle to the direction of moti	on (when a	djustment	is possible).
Sequenc	e of tests: stab	ility test, static loading test, fatigue test.			
	ator was tested				
During	visual inspec	tion before testing any visible defects that could have influence on te	est 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: 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 2: 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, 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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CHARACTERISTIC OF PRODUCT

Name: IMPALA rollator Dimension of rollator: --

SN: -- Product code: 312061

Maximum permissible user mass:150 kgMass of rollator:8,21kgDescriptionPHOTO OF PRODUCT

	Descripti			
El	ements/parameters/materials/d		Comments	
.	Distance between handgrips (dimension 2)	490 mm		
Dimensions od walking rollator (fig. 2 PN-EN ISO 11199-2)	Angle between of handgrip axis and direction of movement (α)	00		
ki 1	Height of rollator	900 mm	min.	
wal IS((dimension 6)	1045 mm	max.	
ns od v	Width of rollator (dimension 5)	635 mm		
nensior (fig. 2 P	Turning width (dimension 1)	910 mm		
Din	Length of rollator (dimension 4)	745mm		
Dimen	sions of folded rollator (mm)	1045 x 635 x 325		
63	Handgrip - diameter	31 mm	Anatomical handgrip	
Fig.	Handgrip - length	96 mm		
2.1	Front wheels- quantity	2	castor	
Wheels of rollator	Front wheels - diameter	190 mm	wheels	
olle	Front wheels – width	35 mm		
f I	Front wheels - brake	none		
S O	Rear wheels - quantity	2		
ee	Rear wheels - diameter	190mm		
Wh	Rear wheels - width	35 mm		
	Rear wheels - brake	Included		
Tip	Diameter			
	Material	Not any		
	Colour			
1	Front legs	Aluminum,		
ılla	Bracing member (no. 8)	Steel,		
frc	Rear legs	Hard plastic,		
Material of rollator (fig. 1)	Height adjusting device (no. 4)	Bolts, nuts		
Mate tor (1	Handgrip (no 5), Brake elements	Hard plastic		

















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Requirements according to clause	Test method according to clause	(chara	Checked cteristics/assemblies/pa	rameters	Real	Test result	Comments
4.1	Measur.	Manoeuvrability				ø 190 mm width 35mm Conf.	Pos.	ø front wheels ≥75mm outdoor intended rollator: ø front wheels ≥180mm width of wheels ≥28mm
4.2	5.3	Forward-direction stability				24,0 ° Conf.	Pos.	Stability required ≥ 10°
4.2	5.4		Backward-direction stability			12,5 ° Conf.	Pos.	Stability required ≥ 7°
4.2	5.5			ection stability		5,0 ° Conf.	Pos.	Stability required ≥ 3,5°
4.2	5.6		ility –	basket, bag, drip, oxygen cylinde	forwards	24,7 ° Conf. 14,5 ° Conf.	Pos. Pos.	Stability required $\geq 10^{\circ}$
				oaskei, bag, drip, oxygen cynndei ags – 5 kg)	backwards side	7,0 ° Conf.	Pos.	Stability required $\geq 7^{\circ}$ Stability required $\geq 3.5^{\circ}$
4.3	V/I			ng facility during rollator motion		Conf.	Pos.	Stability required \(\subseteq 5,5
	V/I		Parking	brakes in rollator with more than seat or intended for outdoor use	2 wheels and	Conf.	Pos.	
l	5.7.1.1		Brake g	rip distance (fig. 4, dimension 1)		75 mm Conf.	Pos.	≤ 75 mm
	5.7.1	1 1		g 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.			o release parking brake		10N Conf.	Pos.	≤ 40 N
	5.7.2			brake effectiveness		Conf.	Pos.	Movement of rollator ≤ 10 mm in 1 minute
	V/I	J L		lity to compensate brake wear	CIII	Conf.	Pos.	
	V/I		adjustir	not adversely affected by folding, ag actions of rollator	unforlding or	Conf.	Pos.	
4.4	Measur. V/I	Handgrip				31 mm Conf.	Pos.	Width of handgrip ≥20m and ≤50mm
4.5	Measur. V/I	Legs	section :	and tip			N/A	ø tip ≥35mm (tested rollator is equipped in for wheels)
4.6	5.10	Resti	ing seat	- static loading durability		Conf.	Pos.	1 minute under load 1,2 x user`s weight±2% (180 kg)
4.7	5.12		echanica urability			Conf.	Pos.	200 000 cycles with load 120 kg±2%, f=1Hz
4.7	5.11			Static loading test		Conf.	Pos.	loading 180 kg±2%, 5sek.
4.8	V/I		isting de			Conf.	Pos.	
4.9	5.14	Fold	ing mec			Conf.	Pos.	
4.11	ISO 10993-1 V/I	Material s and	-	Biocompatibility of material with Free of discolouring of skin or el		 Conf.	N/T Pos.	
	V/I	Ma		with rollator materials Burrs, shar edges, projections		Conf.	Pos.	
1 - 3 ~ "1				Marking and lab	elling of product		117	
6.2			num use	er mass Fe working load (SWL) to be mark	lad an assaultan	Included Included	Pos.	
	c) ha	Maxin	num allo	owed angle between the longitudi irection of motion, if the handles	nal centreline of th		N/A	angle between directic of motion and longitudinal axis of handgrip not adjustab
				's name or trade name and addres		Included	Pos.	
				's model identification name and	or number	Included	Pos.	
	g)	Maxin	num ext	ar of manufacture tension of the height adjustment,	marked on the	Included Included	Pos.	
	ad	justing	g membe	ers			West Statement	
				dth of the rollator ded for outdoor/indoor use		Included Included	Pos.	
4.10				g allowed angle between handle ysical stop of angle adjusting	axis and direction o	of -	N/A	111111



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		Contents of user manual and/or assembly manual or clear and indelibl	e marking	of produc	t
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/A	angle between direction of motion and longitudinal axis of handgrip not adjustable
		TEST CONDITIONS	···		
Ambient t	emperature		21°C		Required temperature 21°C ±5°C
Relative	humidity of	air:	60	%	Not required
Commen	ts:				
All tests p	erformed wit	h maximum height adjustment of rollator.			
All tests p	erformend in	the least stabble position of self-adjusting wheels.			
		andles positioned at their maximum (allowed) angle to the direction of mot	ion (when a	djustment	is possible).
		ility test, static loading test, fatigue test.			
	tor was tested				
During v	isual inspec	tion before testing any visible defects that could have influence on to	est 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: 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 2: 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, 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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CHARACTERISTIC OF PRODUCT

Name: IMPALA rollator Dimension of rollator: --

SN: -- Product code: 312062

Maximum permissible user mass: 150 kg

Description

Mass of rollator: 7,22 kg
PHOTO OF PRODUCT

	Descripti	on .	
Ele	ements/parameters/materials/d	imensions	Comments
<u>.</u>	Distance between handgrips (dimension 2)	530 mm	
Dimensions od walking rollator (fig. 2 PN-EN ISO 11199-2)	Angle between of handgrip axis and direction of movement (α)	00	
kir O 1	Height of rollator	785 mm	min.
wa	(dimension 6)	925 mm	max.
ns od	Width of rollator (dimension 5)	666 mm	
nension (fig. 2 F	Turning width (dimension 1)	902mm	
Din	Length of rollator (dimension 4)	697 mm	
Dimens	sions of folded rollator (mm)	845 x 666 x 3	330
6.0	Handgrip - diameter	31 mm	Anatomical handgrip
Fig.	Handgrip - length	96 mm	
	Front wheels-quantity	2	castor
1 <u>f</u> 0	Front wheels - diameter	200 mm	wheels
 	Front wheels – width	29 mm	
l I	Front wheels - brake	none	
o s	Rear wheels - quantity	2	
eel	Rear wheels - diameter	200 mm	
Wheels of rollator	Rear wheels - width	29 mm	
	Rear wheels - brake	Included	
Tip	Diameter		
	Material	Not any	
	Colour		
	Front legs	Aluminum,	
lla	Bracing member (no. 8)	Steel,	
frc	Rear legs	Hard plastic,	
Material of rollator (fig. 1)	Height adjusting device (no. 4)	Bolts, nuts	
Material o tor (fig. 1)	Handgrip (no 5), Brake elements	Hard plastic	















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RESULT OF TESTS ACCORDING TO PN-EN ISO 11199-2:2005 Test me-thod according to clause Requirements according to clause **Test result** Real value Checked Comments characteristics/assemblies/parameters Manoeuvrability ø front wheels ≥75mm 4.1 Measur. ø 200 mm outdoor intended rollator: width 28 mm Pos. ø front wheels ≥180mm Conf. width of wheels ≥28mm 26,0 ° Conf. 4.2 5.3 Forward-direction stability Pos. Stability required ≥ 10° 10,9 ° Conf. 4.2 5.4 Backward-direction stability Pos. Stability required ≥ 7° 4,7 ° Conf. Sideway-direction stability Pos. Stability required ≥ 3,5° 4.2 5.5 25,0 ° Conf. 4.2 forwards Stability required ≥ 10° 5.6 Pos. with loaded basket, bag, drip, oxygen cylinder 14,3 ° Conf. backwards Pos. Stability required ≥ 7° 6,7° Conf. (max. load bags - 5 kg) side Pos. Stability required $\geq 3.5^{\circ}$ V/I Servicing facility during rollator motion with more than 2 4.3 Pos. Conf. wheels V/I Parking brakes in rollator with more than 2 wheels and Conf. Pos. resting seat or intended for outdoor use 5.7.1.1 75 mm Conf. Brake grip distance (fig. 4, dimension 1) Pos. $\leq 75 \ mm$ Movement of rollator 5.7.1 Running brake effectiveness Conf. Pos. ≤ 10 mm in 1 minute Measur. Force to set parking brake $\leq 60 N$ 30N Conf. Pos. Measur. Force to release parking brake 10N Conf. Pos. $\leq 40 N$ Movement of rollator 5.7.2 Parking brake effectiveness Conf. Pos. \leq 10 mm in 1 minute V/I Possibility to compensate brake wear Conf. Pos. V/I Brake not adversely affected by folding, unforlding or Conf. Pos. adjusting actions of rollator 4.4 Handgrip Measur. Width of handgrip ≥20mm 31 mm Conf. Pos. and ≤50mm V/I 4.5 Leg section and tip ø tip ≥35mm (tested Measur. N/A rollator is equipped in four V/I wheels) 5.10 Resting seat - static loading durability 1 minute under load 4.6 Conf. Pos. 1,2 x user's weight±2% (180 kg) 4.7 5.12 Mechanical Fatigue test 200 000 cycles with load. Pos. Conf. 120 kg±2%, f=1Hz durability 4.7 5.11 Static loading test Conf. loading Pos. 180 kg±2%, 5sek. V/I 4.8 Adjusting devices Conf. Pos. 4.9 5.14 Folding mechanism Conf. Pos. ISO 10993-1 Biocompatibility of material with human body N/T 4.11 Material s and finish Free of discolouring of skin or clothing in contact V/I Pos. Conf. with rollator materials 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. angle between direction c) Maximum allowed angle between the longitudinal centreline of the of motion and handle and the direction of motion, if the handles are sideways N/Alongitudinal axis of adjustable handgrip not adjustable 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 Included Pos. adjusting members h) Maximum width of the rollator Included Pos. i) Rollator intended for outdoor/indoor use Included Pos. angle between direction 4.10 V/I Warning showing allowed angle between handle axis and direction of N/A of motion and movement or physical stop of angle adjusting longitudinal axis of handgrip not adjustable



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		Contents of user manual and/or assembly manual or clear and indelibl	e marking	of produc	et .
6.3	V/I	a) Maximum rollator height		N/T	
		b) Minimum rollator height		N/T	
N		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	<u> Ere</u>	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/A	angle between direction of motion and longitudinal axis of handgrip not adjustable
		TEST CONDITIONS			
Ambient to	emperature		21	°C	Required temperature 21°C ±5°C
Relative l	humidity of	air:	60	%	Not required
Comment	ts: 🕌 🔭 🔭				
All tests p	erformed wit	h maximum height adjustment of rollator.			
		the least stabble position of self-adjusting wheels.			
		andles positioned at their maximum (allowed) angle to the direction of mot	ion (when a	djustment	is possible).
		ility test, static loading test, fatigue test.			
	or was tested				
During vi	isual inspec	tion before testing any visible defects that could have influence on t	est 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: 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 2: 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, in scope of mechanical testing ordered by client, excluding biocompatibility tests of material with human body according to PN-EN ISO 10993-1:2010

---- END ----

