

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:

YREKTOR

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

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PHOTO	OF	PROD	HCT
THULU	O.	INVD	CLI

4011	Descripti				
El	ements/parameters/materials/d		Comments		
Dimensions od walking rollator (fig. 2 PN-EN ISO 11199-2)	Distance between handgrips (dimension 2)	477mm			
	Angle between of handgrip axis and direction of movement (α)	00			
	Height of rollator	785 mm	min.		
Wa	(dimension 6)	925 mm	max.		
us od	Width of rollator (dimension 5)	606 mm			
nension (fig. 2 I	Turning width (dimension 1)	872 mm			
Din	Length of rollator (dimension 4)	697 mm			
Dimen	sions of folded rollator (mm)	945 x 606 x 330			
6.3	Handgrip - diameter	31 mm	Anatomical handgrip		
Fig.	Handgrip - length	96 mm			
	Front wheels- quantity	2	castor		
Iţo.	Front wheels - diameter	199 mm	wheels		
Wheels of rollator	Front wheels – width	34 mm			
fr	Front wheels - brake	none			
S 0	Rear wheels - quantity	2			
ee	Rear wheels - diameter	199mm			
Wh	Rear wheels - width	34 mm			
	Rear wheels - brake	Included			
Tip	Diameter				
	Material	Not any			
	Colour				
	Front legs	Aluminum,			
Material of rolla- tor (fig. 1)	Bracing member (no. 8)	Steel,			
	Rear legs	Hard plastic,			
Material o tor (fig. 1)	Height adjusting device (no. 4)	Bolts, nuts			
Mate tor (f	Handgrip (no 5), Brake elements	Hard plastic			















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Requirements according to clause	Test me- thod according to clause		chara	icte	Checked eristics/assemblies/para	ameters	Real	value	Test result	Comments
4.1	Measur.	Mar	noeuvrat	oility	/ 3		ø 199 width Co	30mm	Pos.	ø front wheels ≥75mm outdoor intended rollator: ø front wheels ≥180mm width of wheels ≥28mm
4.2	5.3	For	ward-dir	ectio	on stability		25,00	Conf.	Pos.	Stability required ≥ 10°
4.2	5.4				tion stability		11,5 0	Conf.	Pos.	Stability required ≥ 7°
4.2	5.5			ectio	on stability		4,2 0	Conf.	Pos.	Stability required ≥3,5°
4.2	5.6		oility –			forwards	24,0 0		Pos.	Stability required ≥ 10°
1					ket, bag, drip, oxygen cylinder	backwards	14,5 0		Pos.	Stability required ≥ 7°
		(ma	x. load l			side	6,00	Conf.	Pos.	Stability required ≥ 3,5°
4.3	V/I		wheels		acility during rollator motion w		Co	nf.	Pos.	
	V/I		resting	seat	akes in rollator with more than a t or intended for outdoor use	2 wheels and	Co		Pos.	
	5.7.1.1				distance (fig. 4, dimension 1)		75 mm	Conf.	Pos.	≤ 75 mm
	5.7.1		Runnir	ng b	rake effectiveness		Co	inf.	Pos.	Movement of rollator ≤ 10 mm in 1 minute
-	Measur.	Brakes	Force 1	0.50	t parking brake		2017	Conf.	Pos.	≤10 mm in 1 minute ≤60 N
		3ra						-		
	Measur.	-	Force t	to re	lease parking brake	1	10N	Conf.	Pos.	≤40 N
	5.7.2				ake effectiveness		Co	onf.	Pos.	Movement of rollator ≤ 10 mm in 1 minute
	V/I		Possib	ility	to compensate brake wear		Co	onf.	Pos.	
	V/I		Brake not adversely affected by folding, unforlding or adjusting actions of rollator					onf.	Pos.	
4.4	Measur. V/I	Har	ndgrip				31 mn	Conf.	Pos.	Width of handgrip ≥20m and ≤50mm
4.5	Measur. V/I	Leg	g section	and	tip		ŀ	-	N/A	ø tip ≥35mm (tested rollator is equipped in fot wheels)
4.6	5.10	Res	Resting seat – static loading durability					onf.	Pos.	1 minute under load 1,2 x user`s weight±2% (180 kg)
4.7	5.12		1echanic		Fatigue test		Co	onf.	Pos.	200 000 cycles with load 120 kg±2%, f=1Hz
4.7	5.11	_ durability		У	Static loading test		Co	onf.	Pos.	loading 180 kg±2%, 5sek.
4.8	V/I	Ad	Adjusting devices Folding mechanism			Co	onf.	Pos.		
4.9	5.14						onf.	Pos.		
4.11	ISO 10993-1				ocompatibility of material with	human body		_	N/T	
1	V/I	Material	s and finish		e of discolouring of skin or clo h rollator materials	thing in contact	Co	onf.	Pos.	
	V/I	2	S	Bu	rrs, shar edges, projections		Ce	onf.	Pos.	
					Marking and labe	lling of product				
6.2			imum us					Included	Pos.	
) Max	imum al and the	lowe	vorking load (SWL) to be marked angle between the longitudination of motion, if the handles a	al centreline of th		Included 	Pos. N/A	angle between direction
	d) Man	ufacture	r's r	name or trade name and address			Included	Pos.	
		e) Manufacturer's model identification name and/or number						Included	Pos.	
	f) Mon	th and ye	ear c	of manufacture			Included	Pos.	
	g	g) Maximum extension of the height adjustment, marked on the adjusting members			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					illowed angle between handle as cal stop of angle adjusting	xis and direction	of		N/A	and between dissett



Mecha	anical La	boratory of CBC	Report no.: CBC-100/2015 Page : 4 of 10				
Y STAVERS		Contents of user manual and/or assembly manual or clear and indelibl	e marking	of produc	it		
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		· William Control of the Control of					
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	on (when a	djustment	is possible).		
Sequence	of tests: stab	ility test, static loading test, fatigue test.					
	or 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: 312061

Maximum permissible user mass: 150 kg

Description

Mass of rollator: 8,21kg

PHOTO OF PRODUCT

	Descripti		
El	ements/parameters/materials/d	imensions	Comments
<u>.</u>	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	
Kiri O 1	Height of rollator	900 mm	min.
wa	(dimension 6)	1045 mm	max.
ns od	Width of rollator (dimension 5)	635 mm	
nensions od walking rolla (fig. 2 PN-EN ISO 11199-2)	Turning width (dimension 1)	910 mm	
Din	Length of rollator (dimension 4)	745mm	
Dimen	sions of folded rollator (mm)	1045 x 635 x	325
m m	Handgrip - diameter	31 mm	Anatomical handgrip
Fig.	Handgrip - length	96 mm	
	Front wheels- quantity	2	castor
Wheels of rollator	Front wheels - diameter	190 mm	wheels
ollio Silo	Front wheels - width	35 mm	
fr	Front wheels - brake	none	
ls o	Rear wheels - quantity	2	
eel	Rear wheels - diameter	190mm	
₹	Rear wheels - width	35 mm	
	Rear wheels - brake	Included	
Tip	Diameter		
	Material	Not any	
	Colour		
÷	Front legs	Aluminum,	
olls	Bracing member (no. 8)	Steel,	
of r	Rear legs	Hard plastic,	
Material of rolla- tor (fig. 1)	Height adjusting device (no. 4)	Bolts, nuts	
Mate tor (Handgrip (no 5), Brake elements	Hard plastic	

















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Requirements according to clause	Test me- thod according to		chara	cte	Checked ristics/assemblies/para	ameters	Real	Test result	Comments
4.1	Measur.	Mar	noeuvrat	ility		-	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	For	ward-dir	ectio	n stability		24,0 ° Conf.	Pos.	Stability required ≥ 10°
4.2	5.4				ion stability		12,5 ° Conf.	Pos.	Stability required ≥ 7°
4.2	5.5			ectio	n stability	1	5,0 ° Conf.	Pos.	Stability required ≥3,5
4.2	5.6		bility –	La ala	est has dein syrresp sylinden	forwards	24,7 ° Conf.	Pos.	Stability required ≥ 10°
-			x. loaded		et, bag, drip, oxygen cylinder	backwards side	14,5 ° Conf. 7,0 ° Conf.	Pos. Pos.	Stability required $\geq 7^{\circ}$ Stability required $\geq 3.5^{\circ}$
4.3	V/I	(ma		ng fa	cility during rollator motion w		Conf.	Pos.	Stability required ≥3,3
	V/I		Parking	g bra	kes in rollator with more than a	2 wheels and	Conf.	Pos.	
ŀ	5.7.1.1				distance (fig. 4, dimension 1)		75 mm Conf.	Pos.	≤ 75 mm
Ì	5.7.1				rake effectiveness		Conf.	Pos.	Movement of rollator
	1-30,016	- s		_					≤ 10 mm in 1 minute
	Measur.	Brakes	Force t	o set	parking brake		30N Conf.	Pos.	≤ 60 N
	Measur.	7 =	Force t	o rel	ease parking brake		10N Conf.	Pos.	≤ 40 N
İ	5.7.2		Parking	g bra	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		Brake not adversely affected by folding, unforlding or adjusting actions of rollator				Conf.	Pos.	
4.4	Measur. V/I		ndgrip				31 mm Conf.	Pos.	Width of handgrip ≥20m and ≤50mm
4.5	Measur. V/I	Leg	section	and	tip			N/A	ø tip ≥35mm (tested rollator is equipped in for wheels)
4.6	5.10	Res	sting seat	t – st	atic loading durability		Conf.	Pos.	1 minute under load 1,2 x user`s weight±2% (180 kg)
4.7	5.12		Mechanical Fatigue test durability			Conf.	Pos.	200 000 cycles with load 120 kg±2%, f=1Hz	
4.7	5.11	ļ.,			Static loading test		Conf.	Pos.	loading 180 kg±2%, 5sek.
4.8	V/I		usting d				Conf.	Pos.	
4.9	5.14 ISO 10993-1		ding med		ism compatibility of material with l	numan body	Conf.	Pos. N/T	
4.11	V/I	- 0	s and finish	Free	of discolouring of skin or clot rollator materials		Conf.	Pos.	
	V/I	_ ≥	S III		rs, shar edges, projections		Conf.	Pos.	
					Marking and label	ling of product			
6.2			imum us				Included	Pos.	
	c h) Maxi	imum all and the c	owe	orking load (SWL) to be marked angle between the longitudin tion of motion, if the handles a	al centreline of the	Included	Pos. N/A	angle between direction of motion and longitudinal axis of handgrip not adjustab
					ame or trade name and address		Included	Pos.	
					odel identification name and/o	r number	Included	Pos.	
	g) Max	imum ex	tensi	f manufacture ion of the height adjustment, m	arked on the	Included Included	Pos.	
	a	djustir	ng memb	ers	of the mellet				
1					of the rollator for outdoor/indoor use		Included Included	Pos.	
	1	Kona	uoi inten	ucu	tor outdoor/indoor use		metuded	Pos.	
4.10					lowed angle between handle as al stop of angle adjusting	is and direction o	f '	N/A	angle between direction of motion and longitudinal axis of handgrip not adjustab



Mecha	nical La	boratory of CBC	Report no.: CBC-100/2015 Page : 7 of 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	-	N/T			
	0.0	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 to	emperature		21	°C	Required temperature 21°C ±5°C		
Relative l	numidity of	air:	60	%	Not required		
Comment							
All tests po	erformed wit	h maximum height adjustment of rollator.					
All tests po	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).		
Sequence	of tests: stab	ility test, static loading test, fatigue test.					
	or was tested						
During vi	sual 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



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CHARACTERISTIC OF PRODUCT

Name: IMPALA rollator Dimension of rollator:

SN: -- Product code: 312062

Maximum permissible user mass: 150 kg

Mass of rollator: 7,22 kg
PHOTO OF PRODUCT

	Descripti	on	
El	ements/parameters/materials/d	imensions	Comments
H	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	
rension (fig. 2 I	Turning width (dimension 1)	902mm	
Din	Length of rollator (dimension 4)	697 mm	
Dimen	sions of folded rollator (mm)	845 x 666 x 3	330
esion of	Handgrip - diameter	31 mm	Anatomical handgrip
Fig.	Handgrip - length	96 mm	
	Front wheels- quantity	2	castor
Wheels of rollator	Front wheels - diameter	200 mm	wheels
100	Front wheels - width	29 mm	
-	Front wheels - brake	none	
S O	Rear wheels - quantity	2	
eel	Rear wheels - diameter	200 mm	
W	Rear wheels - width	29 mm	
	Rear wheels - brake	Included	
Tip	Diameter		
	Material	Not any	
	Colour		
1	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 of tor (fig. 1	Handgrip (no 5), Brake elements	Hard plastic	















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Requirements according to clause	Test me- thod according to clause		chara	ıcte	Checked ristics/assemblies/par	ameters	Real	Test result	Comments
4.1	Measur.	Man	oeuvrat	oility	•		ø 200 mm width 28 mm Conf.	Pos.	ø front wheels ≥75mm outdoor intended rollator: ø front wheels ≥180mm width of wheels ≥28mm
4.2	5.3	Forv	ward-dir	ectio	n stability		26,0° Conf.	Pos.	Stability required ≥ 10°
4.2	5.4				ion stability		10,9 ° Conf.	Pos.	Stability required ≥ 7°
4.2	5.5			rectio	on stability		4,7 ° Conf.	Pos.	Stability required ≥ 3,5°
4.2	5.6	Stab	ility –		. 1. 1.	forwards	25,0 ° Conf.	Pos.	Stability required ≥ 10°
			x. loaded		tet, bag, drip, oxygen cylinder	backwards	14,3 ° Conf. 6,7 ° Conf.	Pos.	Stability required ≥ 7°
4.3	V/I	(max		ng fa	cility during rollator motion w	side ith more than 2	Conf.	Pos. Pos.	Stability required ≥3,5°
	V/I		Parking	g bra	kes in rollator with more than a or intended for outdoor use	2 wheels and	Conf.	Pos.	
	5.7.1.1				distance (fig. 4, dimension 1)		75 mm Conf.	Pos.	≤ 75 mm
	5.7.1	1 1			rake effectiveness				Movement of rollator
		SS					Conf.	Pos.	≤ 10 mm in 1 minute
	Measur.	Brakes	Force t	o set	parking brake		30N Conf.	Pos.	≤ 60 N
	Measur.	B	Force t	o rel	ease parking brake		10N Conf.	Pos.	< 40 N
	5.7.2		Parking	g bra	ke effectiveness		Conf.	Pos.	Movement of rollator ≤ 10 mm in 1 minute
	V/I	1 1	Possibi	ility 1	to compensate brake wear		Conf.	Pos.	
	V/I	1	Brake not adversely affected by folding, unforlding or adjusting actions of rollator		nforlding or	Conf.	Pos.		
4.4	Measur. V/I	Han	dgrip				31 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	Rest	ting seat	t – st	atic loading durability		Conf.	Pos.	1 minute under load 1,2 x user`s weight±2% (180 kg)
4.7	5.12		Mechanical Fatigue test durability			Conf.	Pos.	200 000 cycles with load. 120 kg±2%, f=1Hz	
4.7	5.11	1 11			Static loading test		Conf.	Pos.	loading 180 kg±2%, 5sek.
4.8	V/I		usting d				Conf.	Pos.	
4.9	5.14 ISO 10993-1		ling med		compatibility of material with l	human hody	Conf.	Pos. N/T	
4.11	V/I	4 6	s and finish	Free	e of discolouring of skin or close rollator materials		Conf.	Pos.	
	V/I	Σ	S III		rs, shar edges, projections		Conf.	Pos.	
7			70 P 3		Marking and label	ling of product			
6.2	V/I a)	Maxi	mum us	er m	ass		Included	Pos.	
1					orking load (SWL) to be marke		Included	Pos.	
	ha		and the c		d angle between the longitudin tion of motion, if the handles a			N/A	angle between direction of motion and longitudinal axis of handgrip not adjustable
					ame or trade name and address		Included	Pos.	
					odel identification name and/o	r number	Included	Pos.	
	g	Maxi	mum ex	tens	f manufacture ion of the height adjustment, m	arked on the	Included Included	Pos.	
1		adjusting members							
					of the rollator		Included	Pos.	
	(i)	Kollat	or inten	ded	for outdoor/indoor use		Included	Pos.	
4.10					lowed angle between handle as al stop of angle adjusting	xis and direction o	f -	N/A	angle between direction of motion and longitudinal axis of handgrip not adjustable



Mech	anical La	boratory of CBC	Report no.: CBC-100/2015 Page: 10 of 10				
		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			
		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	temperature		21	°C	Required temperature 21°C ±5°C		
Relative	humidity of	air:	60	%	Not required		
Commen	ts:			- Country that			
All tests p	erformed wit	h maximum height adjustment of rollator.					
All tests p	erformend in	the least stabble position of self-adjusting wheels.					
Tests perf	formed with h	andles positioned at their maximum (allowed) angle to the direction of mot	on (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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