CENTRE FOR TESTING AND CERTIFICATION - MECH-TEST
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Date 30.11.2015

TEST REPORT NO. *CBC –100/2015*

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 9999:2011 : 12 06 06**
Type / Model:	*Impala rollator* *For outdoor and indoor use*	**Art. nr.:** *312060* *312061* *312062*
Manufacturer:	*MOBILEX A/S* *Nørskovvej 1* *DK-8660 Skanderborg*	**Number of specimens:** *3*
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:

DYREKTOR

mgr inż. Andrzej Tkaczyk

Special comments / enclosures:

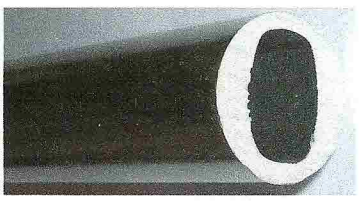
CHARACTERISTIC OF PRODUCT

Name : IMPALA rollator	**Dimension of rollator: --**
SN: --	**Product code: 312060**
Maximum permissible user mass: 150 kg	**Mass of rollator: 7,50 kg**

Description

Elements/parameters/materials/dimensions			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)	*0^0*	
	Height of rollator (dimension 6)	*785 mm*	*min.*
		925 mm	*max.*
	Width of rollator (dimension 5)	*606 mm*	
	Turning width (dimension 1)	*872 mm*	
	Length of rollator (dimension 4)	*697 mm*	
Dimensions of folded rollator (mm)		*945 x 606 x 330*	
Fig. 3	Handgrip - diameter	*31 mm*	*Anatomical handgrip*
	Handgrip - length	*96 mm*	
Wheels of rollator	Front wheels– quantity	*2*	*castor wheels*
	Front wheels - diameter	*199 mm*	
	Front wheels – width	*34 mm*	
	Front wheels - brake	*none*	
	Rear wheels – quantity	*2*	
	Rear wheels - diameter	*199mm*	
	Rear wheels - width	*34 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 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**	Forward-direction stability		*25,0 ^{0} Conf.*	*Pos.*	*Stability required ≥ 10°*
4.2	**5.4**	Backward-direction stability		*11,5 ^{0} Conf.*	*Pos.*	*Stability required ≥ 7°*
4.2	**5.5**	Sideway-direction stability		*4,2 ^{0} Conf.*	*Pos.*	*Stability required ≥ 3,5°*
4.2	**5.6**	Stability – with loaded basket, bag, drip, oxygen cylinder *(max. load bags – 5 kg)*	forwards	*24,0 ^{0} Conf.*	*Pos.*	*Stability required ≥ 10°*
			backwards	*14,5 ^{0} Conf.*	*Pos.*	*Stability required ≥ 7°*
			side	*6,0 ^{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	Brakes: Parking brakes in rollator with more than 2 wheels and resting seat or intended for outdoor use		*Conf.*	*Pos.*	
	5.7.1.1	Brakes: Brake grip distance (fig. 4, dimension 1)		*75 mm Conf.*	*Pos.*	*≤ 75 mm*
	5.7.1	Brakes: 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.	Brakes: Force to release parking brake		*10N Conf.*	*Pos.*	*≤ 40 N*
	5.7.2	Brakes: Parking brake effectiveness		*Conf.*	*Pos.*	*Movement of rollator ≤ 10 mm in 1 minute*
	V/I	Brakes: Possibility to compensate brake wear		*Conf.*	*Pos.*	
	V/I	Brakes: Brake not adversely affected by folding, unforlding or adjusting actions of rollator		*Conf.*	*Pos.*	
4.4	**Measur. V/I**	Handgrip		*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**	Resting seat – static loading durability		*Conf.*	*Pos.*	*1 minute under load 1,2 x user`s weight±2% (180 kg)*
4.7	**5.12**	Mechanical durability	Fatigue test	*Conf.*	*Pos.*	*200 000 cycles with load. 120 kg±2%, f=1Hz*
4.7	**5.11**	Mechanical durability	Static loading test	*Conf.*	*Pos.*	*loading 180 kg±2%, 5sek.*
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	Materials and finish	Free of discolouring of skin or clothing in contact with rollator materials	*Conf.*	*Pos.*	
	V/I	Materials and finish	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*	*angle between direction of motion and longitudinal axis of 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 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*	*angle between direction of motion and longitudinal axis of handgrip not adjustable*

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/A*	*angle between direction of motion and longitudinal axis of handgrip not adjustable*

TEST CONDITIONS		
Ambient temperature	*21°C*	*Required temperature 21°C ±5°C*
Relative humidity of air:	*60 %*	*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: 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*

CHARACTERISTIC OF PRODUCT

Name : IMPALA rollator	**Dimension of rollator: --**
SN: --	**Product code: 312061**
Maximum permissible user mass: 150 kg	**Mass of rollator: 8,21kg**

Description

Elements/parameters/materials/dimensions			Comments
Dimensions od walking rollator (fig. 2 PN-EN ISO 11199-2)	Distance between handgrips (dimension 2)	*490 mm*	
	Angle between of handgrip axis and direction of movement (α)	*0^0*	
	Height of rollator (dimension 6)	*900 mm*	*min.*
		1045 mm	*max.*
	Width of rollator (dimension 5)	*635 mm*	
	Turning width (dimension 1)	*910 mm*	
	Length of rollator (dimension 4)	*745mm*	
Dimensions of folded rollator (mm)		*1045 x 635 x 325*	
Fig. 3	Handgrip - diameter	*31 mm*	*Anatomical handgrip*
	Handgrip - length	*96 mm*	
Wheels of rollator	Front wheels– quantity	*2*	*castor wheels*
	Front wheels - diameter	*190 mm*	
	Front wheels – width	*35 mm*	
	Front wheels - brake	*none*	
	Rear wheels – quantity	*2*	
	Rear wheels - diameter	*190mm*	
	Rear wheels - width	*35 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 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 ^{0} Conf.*	*Pos.*	*Stability required ≥ 10°*
4.2	**5.4**	Backward-direction stability		*12,5 ^{0} Conf.*	*Pos.*	*Stability required ≥ 7°*
4.2	**5.5**	Sideway-direction stability		*5,0 ^{0} Conf.*	*Pos.*	*Stability required ≥ 3,5°*
4.2	**5.6**	Stability – with loaded basket, bag, drip, oxygen cylinder *(max. load bags – 5 kg)*	forwards	*24,7 ^{0} Conf.*	*Pos.*	*Stability required ≥ 10°*
			backwards	*14,5 ^{0} Conf.*	*Pos.*	*Stability required ≥ 7°*
			side	*7,0 ^{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)	*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	*10N 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, unforlding or adjusting actions of rollator	*Conf.*	*Pos.*	
4.4	**Measur. V/I**	Handgrip		*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**	Resting seat – static loading durability		*Conf.*	*Pos.*	*1 minute under load 1,2 x user`s weight±2% (180 kg)*
4.7	**5.12**	Mechanical durability	Fatigue test	*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**	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*	*angle between direction of motion and longitudinal axis of 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 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*	*angle between direction of motion and longitudinal axis of handgrip not adjustable*

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/A*	*angle between direction of motion and longitudinal axis of handgrip not adjustable*

TEST CONDITIONS		
Ambient temperature	*21°C*	*Required temperature 21°C ±5°C*
Relative humidity of air:	*60 %*	*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: 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*

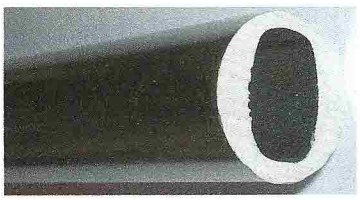
CHARACTERISTIC OF PRODUCT

Name : IMPALA rollator	**Dimension of rollator: --**
SN: --	**Product code: 312062**
Maximum permissible user mass: 150 kg	**Mass of rollator: 7,22 kg**

Description

Elements/parameters/materials/dimensions			Comments
Dimensions od walking rollator (fig. 2 PN-EN ISO 11199-2)	Distance between handgrips (dimension 2)	*530 mm*	
	Angle between of handgrip axis and direction of movement (α)	*0^0*	
	Height of rollator (dimension 6)	*785 mm*	*min.*
		925 mm	*max.*
	Width of rollator (dimension 5)	*666 mm*	
	Turning width (dimension 1)	*902mm*	
	Length of rollator (dimension 4)	*697 mm*	
Dimensions of folded rollator (mm)		*845 x 666 x 330*	
Fig. 3	Handgrip - diameter	*31 mm*	*Anatomical handgrip*
	Handgrip - length	*96 mm*	
Wheels of rollator	Front wheels– quantity	*2*	*castor wheels*
	Front wheels - diameter	*200 mm*	
	Front wheels – width	*29 mm*	
	Front wheels - brake	*none*	
	Rear wheels – quantity	*2*	
	Rear wheels - diameter	*200 mm*	
	Rear wheels - width	*29 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 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**	Forward-direction stability		*26,0 ^{0} Conf.*	*Pos.*	*Stability required ≥ 10°*
4.2	**5.4**	Backward-direction stability		*10,9 ^{0} Conf.*	*Pos.*	*Stability required ≥ 7°*
4.2	**5.5**	Sideway-direction stability		*4,7 ^{0} Conf.*	*Pos.*	*Stability required ≥ 3,5°*
4.2	**5.6**	Stability – with loaded basket, bag, drip, oxygen cylinder *(max. load bags – 5 kg)*	forwards	*25,0 ^{0} Conf.*	*Pos.*	*Stability required ≥ 10°*
			backwards	*14,3 ^{0} Conf.*	*Pos.*	*Stability required ≥ 7°*
			side	*6,7 ^{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)	*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	*10N 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, unforlding or adjusting actions of rollator	*Conf.*	*Pos.*	
4.4	**Measur. V/I**	Handgrip		*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**	Resting seat – static loading durability		*Conf.*	*Pos.*	*1 minute under load 1,2 x user`s weight±2% (180 kg)*
4.7	**5.12**	Mechanical durability	Fatigue test	*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**	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*	*angle between direction of motion and longitudinal axis of 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 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*	*angle between direction of motion and longitudinal axis of handgrip not adjustable*

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/A*	*angle between direction of motion and longitudinal axis of handgrip not adjustable*

TEST CONDITIONS		
Ambient temperature	*21°C*	*Required temperature 21°C ±5°C*
Relative humidity of air:	*60 %*	*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: 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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