CENTRE FOR TESTING AND CERTIFICATION - MECH-TEST
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Date 28.06.2023

TEST REPORT NO. *CBC-089/2023*

Subject of testing:	*Manual lightweight wheelchair*	**Classification according to PN-EN ISO 9999:2017-02: 12 21 03**
Type / Model:	*Commode and shower chair "KAKADU" (Standard) + 24" Plastic wheels with quick release*	**SN.:** *0001* **REF:** *302018* *302017*
Manufacturer:	*MOBILEX A/S* *Grønlandsvej 5,* *DK-8660 Skanderborg*	**Number of specimens:** *1*
Applicant:	*A-Net s.c.,* *ul. Łaskowice 174,* *93-469 Łódź*	
Kind of testing	*Testing scope according to application of Client* *Mechanical testing for conformity with PN-EN 12183 : 2023-02;* *PN-EN ISO 21856:2023-01; ISO 7176-part 1, 3, 5, 7, 8,*	

Test started: *12.06.2023*

Test finished: *28.06.2023*

Approved by:

DYREKTOR

mgr inż. Andrzej Tkaczyk

Special comments / enclosures:

1) *Annex 1-2 – Identyfication of wheeichair elements*

CHARACTERISTIC OF MANUALLY PROPELLED WHEELCHAIR

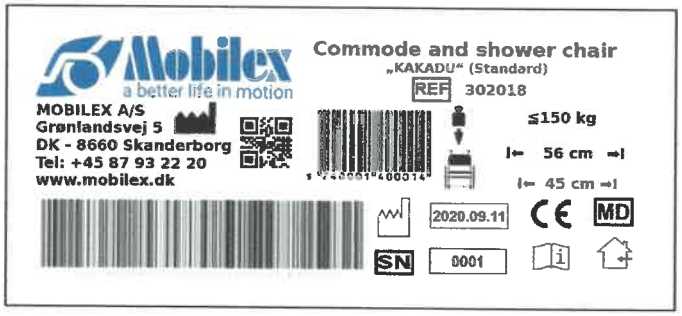
Maximum load capacity: ***150 kg*** | **Overall mass of wheelchair:** ***12,7 kg / 17,1 kg***

Description			4 x wheels A	2 wh. A+2 wh. B
Dimensions:	**Length:**		*930 mm*	*1123 mm*
	Height (max.)		*972 - 1023 mm*	*972 mm*
	Width:		*560 mm*	*656 mm*
Construction of frame:	**Material:**		*Aliminum*	*Aliminum*
	Method of fastening frame elements:		*Welding/rivets/bolts*	*Welding/rivets/bolts*
	Folding/unfolding:		*Unfolding*	*Unfolding*
Drive wheels	**Ø external:**		--	*540 mm*
	Ø pipe:		--	*19 mm*
	Material:		--	*Plastic*
	Way of fastening to driven wheel:		--	*Bolts*
	Number of fastening points to driven wheel:		--	*7*
Driving wheels	**Material of ring of a wheel:**		*Plastic*	Plastic
	Dimension of tyre:		*ø124mm, width 31,5mm*	*24"x1⅜"(ø602x29,5mm)*
	Pressure:		--	--
	Way of fastening wheel to construction:		*Permanently*	*Quick connector*
	Vertical adjustment (number of fixing positions)		*YES 3*	*NO*
	Horizontal adjustment (number of fixing positions):		*NO*	*NO*
	Inclination angle adjustment:		*NO*	*NO*
	Inclination angle:		*0^0*	*0^0*
Castor wheels	**Ø of wheel:**		*124mm*	*124mm*
	Width:		*31,5 mm*	*31,5 mm*
	Material of ring of a wheel:		*Plastic*	*Plastic*
	Material of fork:		*Plastic*	*Plastic*
	Vertical adjustment (number of fixing positions)		*YES 3*	*YES 3*
	Horizontal adjustment (number of fixing positions):		*NO*	*NO*
	Adjustment of axis inclination angle:		*NO*	*NO*
Backrest	**Folding/unfolding:**		*Unfolding*	*Unfolding*
	Backrest inclination adjustment	**stepless:**	*NO*	*NO*
		number of fixing positions	*NO*	*NO*
Tilt levers	**Two singular:**		*NO*	*NO*
	One lateral:		*NO*	*NO*
Push handles	**Kind:**		*One transverse*	*One transverse*
Parking brake	**Left:**		*YES*	*YES*
	Right:		*YES*	*YES*
	Kind:		*4 x foot*	*2 x foot + 2 x Lever*
	Material of lever:		*Plastic*	*Aluminum/Plastic*
	Fastening to frame:		--	*Using the clamp*
	Way of adjustment:			*With screws and clamp stabilizing position of break towards tyre*
Upholstery	**Material:**		*Plastic*	*Plastic*
	Colour:		*Black*	*Black*
Wheel space in forward direction position:			*465 mm*	*452 mm*
Wheel space in backward direction position:			*465 mm*	*517 mm*

NOTE. Measurements were made in the wheelchair with factory regulations (photo)

Legrests	**Common for both legs:**	*NO*	
	Separate for each leg:	*YES*	
	Stationary:	*NO*	
	Folding:	*YES*	
	Vertical adjustment (number of fixing positions)	*YES*	*stepless*
	Horizontal adjustment (number of fixing positions):	*NO*	
	Angle adjustment (number of fixing positions):	*YES*	
	Material of legrest:	*Aluminum, plastic*	
Accessories	**Seat belt**	*NO*	
	Anti-overturn device:	*NO*	
	Anterior pelvic support:	*NO*	
	Service :	*YES*	

PHOTO OF WHEELCHAIR



TESTING

NORMATIVE REFERENCES	Applied
PN-EN ISO 21856:2023-01 Assistive products – General requirements and test methods	*YES*
PN-EN 12183:2023-02 Manually propelled wheelchairs – Requirements and test methods	*YES*
PN-EN 12184:2023-02 Electrically powered wheelchairs, scooters and their chargers – Requirements and test method	*NO*
ISO 7176-1:2014 Wheelchairs – Determination of static stability	*YES*
ISO 7176-2:2001 Wheelchairs – Determination of dynamic stability of electric wheelchairs	*NO*
ISO 7176-3:2012 Wheelchairs – Determination of efficiency of brakes	*YES*
ISO 7176-4:2008 Wheelchairs – Energy consumption of electric wheelchairs and scooters and determination of theoretical distance	*NO*
ISO 7176-5:2008 Wheelchairs – Determination of overall dimensions, mass and turning space	*YES*
ISO 7176-6:2001 Wheelchairs – Determination of maximum speed, acceleration and retardation of electric wheelchairs	*NO*
PN-ISO 7176-7:2001 Wheelchairs – Measurement of seating and wheel dimensions	*YES*
ISO 7176-8:2014 Wheelchairs – Requirements and test methods for static, impact and fatigue strengths	*YES*
ISO 7176-9:2009 Wheelchairs – Climatic test for electric wheelchairs	*NO*
ISO 7176-10:2008 Wheelchairs – Determination of obstacle-climbing ability of electric wheelchairs	*NO*
PN-ISO 7176-14:2001 Wheelchairs – Power and control systems for electric wheelchairs – Requirements and test methods	*NO*
PN-ISO 7176-15: 2002 Wheelchairs – Requirements for informative disclosure, documentation and labelling	*NO*
PN-EN 1021-1:2014-12 Furniture. Assessment of the ignitability of upholstered furniture. Ignition source: smouldering cigarette.	*NO*
PN-EN 1021-2:2014-12 Furniture. Assessment of the ignitability of upholstered furniture. Ignition source: math flame equivalent	*NO*
PN-ISO 7176-16:2001 equivalent: **PN-90/P-04823** Wheelchairs. Resistance to ignition of upholstered parts – Requirements and test methods	*NO*
ISO 7176-16:2012 Wheelchairs. Resistance to ignition of upholstered parts – Requirements and test methods	*NO*
PN-ISO 7176-19:2008 Wheelchairs. Wheeled mobility devices for use in motor vehicles	*NO*

RESULT OF MECHANICAL TESTS ACCORDING TO PN-EN ISO 21856:2023-01

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
4.1	**4.8, 5.2, 5.4.2, 5.5, 6, 8.2.1, 9.4, 10, 22, 24 i EN 1441**	Risk analysis	--	*N/T*	
4.2	**V/I**	Intended performance and technical documentation	*Conf.*	*Pos.*	
4.3	**EN ISO 14155**	Clinical evaluation and investigation	--	*N/T*	
4.4	**V/I**	Assistive products that can be dismantled	*Conf.*	*Pos.*	
4.5	**V/I**	Fasteners	*Conf.*	*Pos.*	
4.6	**V/I**	Load limits	*Conf.*	*Pos.*	
4.7	**V/I**	Immobilising means	*Conf.*	*Pos.*	
4.8	**60601-1-6 62366-1:2015**	Usability	--	*N/A*	
4.9	**V/I**	Design requirements in relation to persons with sensory and cognitive	--	*N/T*	
4.10	**Annex C**	Considerations for accessibility			
4.11	**ISO 3746**	Feedback	--	*N/T*	
5		**Materials**			
5.1	**EN 60601-1-9**	Recycling	--	*N/T*	
5.2	**V/I, B 5.2**	Flammability	--	*N/T*	
5.2.2	**V/I**	Upholstered parts, mattresses, bed bases and bedding	--	*N/A*	
5.2.3		Polymeric parts	--	*N/A*	

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters		Test result	Opinion	Comments
5.2.4		Electrical components		--	*N/A*	
5.2.5		Wiring		--	*N/A*	
5.3	EN ISO 10993-1 Annex. B	Biocompatibility and toxicity		--	*N/T*	
5.4	V/I	Contaminants and residues		--	*N/A*	
5.5	V/I.,B.5.5.1	Microbiological infections and contamination	Cleaning	*Conf.*	*Pos.*	*Comments in service manual*
	V/I.,B.5.5.1		Disinfection	--	*N/A*	
	V/I., EN ISO 22442-1 B.5.5.2		Animal tissue	--	*N/A*	
5.6	EN ISO 9227	Resistance to corrosion		--	*N/T*	
6		**Emitted sound and vibration**				
6.1	EN ISO 3746 A6.1	Noise and vibration		--	*N/A*	
6.2	EN ISO 3746	Sound levels and frequencies of audible warning devices		--	*N/A*	
7	EN 60601-1-2 A.7	Electromagnetic compatibility		--	*N/A*	
8		Electrical safety		--	*N/A*	
9	V/I	Overflow, spillage, leakage, and ingress of liquids		--	*N/A*	
10	V/I. Measur.	Surface temperature		--	*N/A*	$t^0 \leq 41^0C$ ■ *requirement does not concern heat of direct solar radiation –* ■ *requirement concerns only persons with insensitiveness of skin (who do not feel heat)*
11	V/I	Sterility		--	*N/A*	
12	V/I. Measur.	Safety of moving parts		*Conf.*	*Pos.*	*Comments in service manual*
13	V/I. Measur.	Means to prevent falling out		--	*N/A*	
14	V/I. Measur.	Prevention of traps for parts of the human body		*Conf.*	*Pos.*	*Comments in service manual*
14.1	V/I. Measur.	Holes and clearances		*Conf.*	*Pos.*	*Comments in service manual*
14.2	V/I. Measur.	V-shaped openings		*Conf.*	*Pos.*	*Comments in service manual*
15	V/I	Folding and locking mechanisms		*Conf.*	*Pos.*	*Comments in service manual*
15.2	V/I	Locking mechanisms		*Conf.*	*Pos.*	
15.3	V/I	Prevention of trap and squeeze hazards		*Conf.*	*Pos.*	*Comments in service manual*
16	V/I. Measur.	Carrying handles		*Conf.*	*Pos.*	*Comments in service manual*
17	V/I. Measur.	Assistive products that support or suspend users		*Conf.*	*Pos.*	*were tested by ISO 7176-8:2014*
17.4	V/I. Measur.	Tips		--	*N/A*	
18	V/I. Measur.	Portable and mobile assistive products		--	*N/A*	
19	V/I A19	Surfaces, corners, edges and protruding parts		*Conf.*	*Pos.*	
20	A 20	Hand-held assistive products		--	*N/A*	
21	V/I	Assistive products for children		*Conf.*	*Pos.*	*Comments in service manual*
22	V/I. Measur. EN 60601-1	Stability		--	*N/R*	*were tested by ISO 7176-1:2014*
23	V/I A23	Forces in soft tissues of the human body		*Conf.*	*Pos.*	
24	V/I.EN 614-1	Ergonomic principles		--	*N/T*	*The requirements relate to the design process*

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
25	V/I	Requirements for information supplied by the manufacturer	--	*N/T*	
25.2	V/I	Instructions for use	--	*N/T*	
25.2.2	V/I	Pre-sale information	--	*N/T*	
	V/I	a) information on how to obtain the user information in a format appropriate for use by people with visual, reading or cognitive disabilities	--	*N/T*	
	V/I	b) as for as possible, a description of the intended use, the intended user group and the intended environment	--	*N/T*	
	V/I	c) maximum and minimum user mass and maximum load	--	*N/T*	
	V/I	d) maintenance instructions, if applicable	--	*N/T*	
	V/I	e) if an assistive product is intended to be cleaned, a description of the me-thod and suitable cleaning materials, including precautions needed to avoid corrosion, if applicable	--	*N/T*	
	V/I	f) if an assistive product is intended to be disinfected, a description of the method and suitable materials, including any precautions needed to avoid corrosion, if applicable	--	*N/T*	
	V/I	g) the overall dimensions of the assistive product, expressed in mm, and its mass, expressed in kg., when it is ready for use and, if applicable, when it is folded or dismantled	--	*N/T*	
	V/I	h) if the assistive product can be dismantled or has any removable parts, the mass expressed in kg. of each part that has a mass of more than 10 kg	--	*N/T*	
	V/I	i) if the assistive product is supposed to be used in combination with other products, the manufacturer shall state to which products, and how this can be done in a safe way	--	*N/T*	
	V/I	j) warning about dangerous combinations of devices and combinations of flame resistant and non-flameresistant material	--	*N/T*	
	V/I	k) a list of accessories, detachable parts and materials that the manufacturer has determined as being intended for use with the assistive product	--	*N/T*	
	V/I	l) if a programmable controller is fitted, information on the method of programming, the competence required to carry out the programming and the effects on performance	--	*N/T*	
	V/I	m) operator control adjustments	--	*N/T*	
	V/I	n) whether and how the assistive product can be folded or dismantled to assist in storage or transport	--	*N/T*	
	V/I	o) instructions regarding transport of the assistive product	--	*N/T*	
	V/I	p) measured sound power level	--	*N/T*	
25.2.3	V/I	**User information**	--	*N/T*	
	V/I	a) the location and the type of identification number/word on the assistive product shall be given for the unique identification number of the assistive product	--	*N/T*	
	V/I	b) the intended user	--	*N/T*	
	V/I	c) any adjustment or settings required before the assistive product can be used and information on how adjustments or aettings affect the assistive product	--	*N/T*	
	V/I	d) information on adjustment possibilities and the competence required to carry out these adjustments	--	*N/T*	
	V/I	e) instructions on operation of all controls	--	*N/T*	
	V/I	f) the battery type and nominal voltage	--	*N/T*	
	V/I	g) instructions for battery maintenance	--	*N/T*	
	V/I	h) instructions for operating the battery charger, including warnings regar-ding any potential safety hazards	--	*N/T*	
	V/I	i) instructions on dismantling and re-assembly of the assistive product or any removable parts	--	*N/T*	
	V/I	j) the positions of points where the component parts can be gripped for safe moving and handling and/or a method for handling during dismantling, assembly or carrying	--	*N/T*	
	V/I	k) a warning if surface temperatures can increase / decrease when exposed to external sources of heat or cold	--	*N/T*	

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
	V/I	l) a warning if the assistive product might disturb the operation of devices in its envi-ronment that emit electromagnetic fields	--	*N/T*	
	V/I	m) a warning if the performance of the assistive product can be influenced by electro-magnetic fields	--	*N/T*	
	V/I	n) if the intended purpose of an assistive product cannot be met without a hazard, a warning and instructions on how to operate the assistive product safety	--	*N/T*	
	V/I	o) if the intended purpose of an assistive product cannot be met without a hazard due to moving parts such as squeezing, a warning and instructions on how to operate the assistive product safety	--	*N/T*	
	V/I	p) the level of resistance to ignition of materials and assemblies	--	*N/T*	
	V/I	q) information on the recycling of used batteries and other parts of the assistive product	--	*N/T*	
	V/I	r) expected lifetime of the assistive product	--	*N/T*	
25.2.4	V/I	**Service information**	--	*N/T*	
	V/I	- pre-sale information - user information - instructions necessary for the maintenance, adjustment and repair of the assistive product and their placement of parts	--	*N/T*	
25.3	V/I	**Labeling**	--	*N/T*	
	V/I	a) name and address of the manufacturer and, in addition, name and address of the supplier if different from the manufacturer	--	*N/T*	
	V/I	b) model definition	--	*N/T*	
	V/I	c) lot or batch and/or serial number	--	*N/T*	
	V/I	d) year and month of manufacture	--	*N/T*	
	V/I	e) Unique Device Identification	--	*N/T*	
	V/I	f) electrical datails in accordance with IEC 60601-1:2005+AMD1:2012+AMD2:2020	--	*N/T*	
	V/I	g) product IP rating	--	*N/T*	
	V/I	h) details of any other energy source used	--	*N/T*	
	V/I	i) maximum and minimum user mass	--	*N/T*	
	V/I	j) maximum load	--	*N/T*	
	V/I	k) assistve products and detachable parts with a mass of more than 10 kg. shall be marked with an appropriate symbol (fig. 5)	--	*N/T*	
26	**V/I A26**	**Packaging**	--	*N/T*	

TEST RESULTS ACCORDING TO PN-EN 12183:2023-02

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
5.10	**V/I Measur.**	Safety of moving parts	*Conf.*	*Pos.*	*Tab. 1*
5.11	**V/I Measur.**	Prevention of traps for parts of the human body	*Conf.*	*Pos.*	*Tab. 2*
5.11.2	**V/I Measur.**	V-shaped openings	*Conf.*	*Pos.*	
5.12	**V/I Measur.**	Folding and adjusting mechanisms	*Conf.*	*Pos.*	
5.12.2	**V/I Measur.**	Locking mechanisms	*Conf.*	*Pos.*	
5.13	**V/I Measur.**	Surfaces, corners, edges and protruding parts	*Conf.*	*Pos.*	
5.14	**V/I Measur.**	Ergonomic principles	*Conf.*	*Pos.*	
	V/I Measur.	a) the distance between any handle (part intended to be gripped) requir-ing an operating force of more than 10N and any other part of the wheel-chair shall not be less than 35mm	*Conf.*	*Pos.*	
	V/I Measur.	b) the vertical distance between the upper surface of a foot support or pedal in its operating position and any other part of the wheelchair shall not be less than 75mm	*Conf.*	*Pos.*	
	V/I Measur.	c) the diameter of any operating handle or knob requiring an operating force of more than 10N shall be between 19mm and 43mm	*Conf.*	*Pos.*	

TEST RESULTS ACCORDING TO PN-EN 12183:2023-02

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
	V/I Measur.	d) the upper surface of any pedal intended for operation by an assistant shall not be more than 300mm above the ground	--	*N/A*	
5.15	**V/I Measur.**	Applicable provisions for specified types of wheelchair	--	*N/A*	
5.16	**V/I Measur.**	Recomendations	*Conf.*	*Pos.*	
	V/I Measur.	dimensions and manoeuvring space	*Conf.*	*Pos.*	*Annex A*
	V/I Measur.	design features	*Conf.*	*Pos.*	*Annex B*
	V/I Measur.	castor stem angles	*Conf.*	*Pos.*	*Annex D*
7 WHEELCHAIR PERFORMANCE					
7.1.1	**ISO 7176-1**	Static stability	***15,0⁰/16,0⁰ 14,0⁰/14,5⁰ 12,0⁰/15,0⁰***	*N/R.*	*Anti-tip supports required at static stability backwards less than 10⁰*
7.2.1	**ISO 7176-8**	Static, impact and fatigue strength	*Conf.*	*Pos.*	
7.3.1	**7.3.3**	Tilting fatigue strength	*Conf.*	*Pos.*	*20 000 of cycles with full loading of wheelchair*
7.4	**PN-ISO 7176-19**	Wheelchairs for use as seats in motor vehicles	--	*N/T*	
7.5	**ISO 21856**	Surface temperature	--	*N/A*	*$t^0 \leq 41^0C$ ■ requirement does not concern heat of direct solar radiation ■ requirement concerns only persons with insensitiveness of skin (who do not feel heat)*
8 COMPONENT PROPERTIES					
8.1.1	**8.1.2 V/I**	**Foot supports, lower leg supports and arm supports**			
		Foot supports: Possibility to position the occupant's feet at the required height	*Conf.*	*Pos.*	
		Foot supports: Presence of the technical means to prevent the occupant's feet from sliding	*Conf.*	*Pos.*	
		Foot supports, lower leg support assemblies and arm supports: a) Incorporate a means to locate it securely in any intended operating position	*Conf.*	*Pos.*	
		b) Be adjustable in increments not exceeding 25mm	*Conf.*	*Pos.*	
		c) Be accessible and operable by the occupant or an assistant or both in accordance with the manufacturer`s intended use of the wheelchair	*Conf.*	*Pos.*	
		d) Be within the reach space shown in Figure 1	*Conf.*	*Pos.*	
		e) Be operable without the use of tools	*Conf.*	*Pos.*	
		f) Means to prevent the occupant`s feet from sliding into the gap shall be provided, or	*Conf.*	*Pos.*	
		g) The gap between the footrests <35mm for adults and <25mm for children	--	*N/A*	
8.2	**V/I Measur.**	**Component mass**			
		Presence of the handling devices (e.g. handles) in components of mass greater than 10 kg, **or**	*N/O*	--	*Required for wheelchairs intended to be dismantled for storage or transportation*
		Information indicating the points where components can be lifted and describing how they shall be handled during disassembly, lifting, carrying and assembly available	*Conf.*	*Pos.*	*mass of the heaviest parts* ***7,2kg / 6,5kg***
8.3	**V/I**	**Pneumatic tyres**			
		Presence of the same type of valve connection on all tyres	--	*N/A*	
		Valves should be readily accessible when using the intended inflating tool.	--	*N/A*	
		Presence of the marking of the tyres or the rims with the maximum pressure in kPa, bar or PSI	--	*N/A*	
8.4	**V/I**	Anterior pelvic support	--	*N/A*	
8.5.1	**PN-EN 1021-1**	Resistance to ignition of upholstered composition parts	--	*N/T*	*required no progressive smouldering ignition or flaming ignition*
8.5.2		Resistance to ignition of foam materials	--	*N/T*	
8.5.3		Resistance to ignition of other parts	--	*N/T*	

9 PROPULSION AND BRAKING SYSTEM

9.1.1.a	**V/I**	1. Accessibility and possibility to be operated	*Conf.*	*Pos.*	
	V/I	2. Location of brake operation mechanism in the region of access by the occupants (fig.1)	*Conf.*	*Pos.*	*If the wheelchair is intended to be operated and driven only by user*
	V/I	3. Location of brake operation mechanism in the region of access by an assistant (fig.2)	*Conf.*	*Pos.*	*If the wheelchair is intended to be operated and driven only by an assistant*
	9.1.2	4. Engaging and disengaging force ***60/25N // 60/45N***	*Conf.*	*Pos.*	*requirements on force – see table 3*
9.1.1.b		1. For wheelchairs with a maximum occupant mass not greater than 150kg, the force applied to each lever to hold the loaded wheelchair stationary on the maximum slope specified by the manufacturer for parking brake use shall not exceed 60N	--	*N/A*	

Requirements according to clause	Test method according to clause	**Checked characteristics/assemblies/parameters**	**Test result**	**Opinion**	**Comments**
9.1.1.b		2. For wheelchairs with a maximum occupant mass ≥150kg, the force applied to each lever to hold the loaded wheelchair stationary on the maximum slope specified by the manufacturer for parking brake use should not exceed 60N	--	*N/A*	
		3. The handgrip width of such brake levers when no force is applied, measured 15mm from the end of the brake lever, shall not be greater than 100mm and should not be greater than 80mm (fig. 4)	--	*N/A*	*≤ 100 mm recommended ≤ 80 mm*
9.2		**Braking functions**			
9.2.1	**9.2.2 ISO7176-3**	a. Engaging and disengaging force ***60/25N // 60/45N***	*Conf*	*Pos.*	*requirements on force – see table 1*
		b. Possibility of adjustment and/or replacement of brake	*Conf.*	*Pos.*	
		c. No components that protrude above the level of the unoccupied seat when brake is engaged in the wheelchair fitted with movable or removable arm supports	*Conf.*	*Pos.*	
		d. No deformation, free play or loss of adjustment that adversely affects the function of the wheelchair	*Conf.*	*Pos.*	*60 000 cycles*
		e. Fatigue strength of parking brake	*Conf.*	*Pos.*	*60 000 cycles f ≤ 0,5 Hz*
9.3.1	**Measur.**	Pushing force	*Conf.* ***60 N***	*Pos.*	*40N(m≤100kg) 60N(100<m≤150kg) 70N(150<m≤200kg) 80N(200<m≤250kg)*
10.1	**V/I**	Operations intended to be carried out by the occupant and/or assistant	*Conf.*	*Pos.*	
10.2	**V/I**	Controls intended for operation by the occupant	*Conf.*	*Pos.*	
10.3	**V/I**	Controls intended for operation by an assistant	*Conf.*	*Pos.*	
10.4	**V/I**	**Push handles and handgrips**			
	V/I	Location of handles	*Conf.*	*Pos.*	*according to Fig. 5*
	V/I Measur	Dimensions of handles	*Conf.*	*Pos.*	*length ≥ 75 mm, Ø ≥ 20mm and ≤ 50mm*
	V/I Measur	Width of grip (length of grip region)	--	*N/A*	*≤ 100 mm recommended ≤ 80 mm*
10.5.1	**10.5.2**	Operating forces	*Conf.*	*Pos.*	*requirements on force – see table 3*
10.6.1	**10.6.2**	Seating adjustments for tilt and recline systems	--	*N/A*	*required warning and/or mechanism precluding seating adjustment while the occupant is seating*
		Accessibility of controls for seating adjustment operated by the occupant	--	*N/A*	
11	**EN 12184**	Electrical systems – Electrically powered ancillary equipment	--	*N/A*	
12	**V/I**	**Information supplied by the manufacturer**			
	V/I	Information and marking conforming EN 12182 available	--	*N/T*	
	V/I	Information and marking conforming ISO7176-15 available	--	*N/T*	
	12.2	Pre-sale information available	--	*N/T*	
	12.3	User information available	--	*N/T*	
	12.4	Service information available	--	*N/T*	

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
12.1	V/I	**General**			
12.2	V/I	**Pre-sale Information**			
	V/I	a) information on how to obtain the user information in a format appropriate for use by visually impaired people	--	*N/T*	
	V/I	b) a description of the intended occupant of the wheelchair, including the occupant`s mass	--	*N/T*	
	V/I	c) the intended operator (occupant, assistant or both), intended use and intended environment	--	*N/T*	
	V/I	d) the overall dimensions of the wheelchair and its mass when it is ready for use and, if applicable, when it is folded and/or dismantled for storage or transportation	--	*N/T*	
	V/I	e) the pivot width	--	*N/T*	
	V/I	f) the maximum slope for use of parking brakes, expressed in degrees	--	*N/T*	
	V/I	g) the standard options that are available for the wheelchair	--	*N/T*	
	V/I	h) the type(s) of tyres that can be used on the eheelchair	--	*N/T*	
	V/I	i) if the wheelchair can be dismantled or has any removable parts, the mass of the heaviest part	--	*N/T*	
	V/I	j) a statethat the wheelchair is intended to be used as a seat in a motor vehicle, or a warning that the wheelchair is not intended to be used as a seat in a motor vehicle	--	*N/T*	
12.3	V/I	**User information**	--	*N/T*	
	V/I	a) the unique identyfication number of the wheelchair or information on the location of the unique identification number on the wheelchair	--	*N/T*	
	V/I	b) any adjustment or settings required before the wheelchair can be used and warnings of how adjustments or settings affect stability	--	*N/T*	
	V/I	c) where applicable, information on any adjustments that can be made, and the competency required to carry out these adjustments	--	*N/T*	
	V/I	d) instructions on operation of all controls, including brakes	--	*N/T*	
	V/I	e) the wheelchair manufacturer`s recommended tyre pressure(s), expressed in kPa, bar or PSI	--	*N/T*	
	V/I	f) instructions for dealing with tyre punctures	--	*N/T*	
	V/I	g) instructions on whether and how the wheelchair can be folded to assist in storage or transport	--	*N/T*	
	V/I	h) instructions on dismantling and re-assembly of the wheelchair or any removable parts	--	*N/T*	
	V/I	i) instructions regarding transport of the wheelchair when it is unoccupied	--	*N/T*	
	V/I	j) if the manufacturer specifies that the wheelchair is intended for use as a seat in a motor vehicle, the method of attaching wheelchair tiedown and occupant restraints, and recommendations about suitable tiedown and restraint systems	--	*N/T*	
	V/I	k) if the manufacturer specifies that the wheelchair is not intended for use in the motor vehicle, a warning to that effect	--	*N/T*	
	V/I	l) instructions on how to use the means for maintaining a sitting posture, and the circumstances in which it should be used	--	*N/T*	
	V/I	m) instructions on how to obtain and fit the means for maintaining a sitting posture if it is not supplied with the wheelchair	--	*N/T*	
	V/I	n) the positions of points intended to carry additional loads	--	*N/T*	
	V/I	o) information on the recycling of the wheelchair	--	*N/T*	
	V/I	p) if the characteristics of the wheelchair exceed the limits specified in Appendix M of Regulation (EU) No 1300/2914, a statement to that effect	--	*N/T*	
	V/I	q) information on how to find out about product safety notices and product recalls, for example by ensuring the supplier has up-to-date cotact details	--	*N/T*	
	V/I	r) the expected service life of the wheelchair	--	*N/T*	
	V/I	s) information on how to get repairs and servicing	--	*N/T*	
	V/I	t) warranty information	--	*N/T*	
12.4	V/I	**Service information**	--	*N/T*	
	V/I	The service information shall contain instructions necessary for the maintenance, adjustment and repair of the wheelchair and for the replacement of parts	--	*N/T*	

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
12.5	**V/I**	**Labeling**			
	V/I	a) the maximum load of the wheelchair, i.e. the total of the maximum occupant mass and the maximum mass of any other items intended to be carried by the wheelchair	--	*N/T*	
	V/I	b) for wheelchairs where the intended use includes use as a seat in a motor vehicle, the position of attachment points for wheelchair tie-down and occupant restraint systems	--	*N/T*	
	V/I	c) for wheelchairs not intended to be used as a seat in a motor vehicle, a warning to that effect	--	*N/T*	

TEST RESULTS according to ISO 7176-1

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
PN-EN 12183	**10.**	Static stability of wheelchair facing up to the slope (backwards) – *factory regulations* *),	***15,0 °/16,0°***	*N/R*	*When static stability backwards is below 10° anti-overturn supports are required*
	8.	Static stability of wheelchair positioned backwards up to the slope - *factory regulations* *)	***14,0 °/14,5°***	*N/R*	
	12.	Static stability of wheelchair positioned sideward up to the slope	***12,0 °/15,0°***	*N/R*	

*) *Measurements were made in the wheelchair with factory regulations (photo)*

TEST RESULTS according to PN-ISO 7176-2

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
4.	**7.1.**	Stability during start and stop when wheelchair drives forwards up to the slope	-	*N/A*	*Testing relates electrically powered wheelchairs*
		Force required to operate hand (or foot) steering mechanism	-	*N/A*	
4.	**7.2.**	Stability of braking during drive forwards and backwards down the slope	-	*N/A*	
4.	**7.3.**	Stability during turning	-	*N/A*	

TEST RESULTS according to PN-ISO 7176-3

Requirements according to clause	Test method according to clause		Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
PN-EN 12183 9.2 Tab. 1	**7.2 V/I Measur.**	Parking brake	Effectiveness of parking brake of wheelchair positioned forwards down the slope	*Conf.* ***23,0°/23,0°*** *wheelchair slides down*	*Pos.*	*No rotation or wheel spin when wheelchair is on inclined plane of 7° slope (requirements of PN-EN 12183 cl. 14 Tab. 1)*
PN-EN 12183 9.2 Tab. 1	**7.2 V/I Measur.**		Effectiveness of parking brake of wheelchair positioned backwards down the slope	*Conf.* ***25,0°/25,0°*** *wheelchair slides down*	*Pos.*	
PN-EN 12183 9.2 Tab. 1	**PN-EN 12183 cl.14 fig5 Measur.**		Measurement of force acting on brake lever	***60/25N/60/45N*** *Conf.*	*Pos.*	*Below 60 N force engaging hand-brake is required (requirements of PN-EN 12183 cl. 14, Tab. 1)*

NOTE: Measurements were made in the wheelchair with factory regulations (photo)

Requirements according to clause	Test method according to clause		Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
7.3	**V/I Measur.**	Service brake	Braking distance during drive with maximum speed forwards on horizontal plane	-	*N/A*	*Testing relates electrically powered wheelchairs*
7.4	**V/I Measur.**		Braking distance during drive backwards on horizontal plane	-	*N/A*	*Testing relates electrically powered wheelchairs*
7.3	**V/I Measur.**		Braking distance of wheelchair during drive forwards on slope of 5°	-	*N/A*	*Testing relates electrically powered wheelchairs*
7.3	**V/I Measur.**		Resistance of braking system to increased temperature caused by long braking during drive forwards on horizontal plane	-	*N/A*	*Testing relates electrically powered wheelchairs*

7.5	**V/I Measur.**	Emergency brake	Braking distance of wheelchair during drive with maximum speed forwards on horizontal slope	-	*N/A*	*Testing relates electrically powered wheelchairs*

7.3	**V/I Measur.**	Automatic brake	Braking distance of wheelchair during drive with maximum speed forwards on horizontal slope	-	*N/A*	*Testing relates electrically powered wheelchairs.*
7.3	**V/I Measur.**		Braking distance of wheelchair during drive with maximum speed forwards on slope of 5°	-	*N/A*	*Testing relates electrically powered wheelchairs*

TEST RESULTS according to ISO 7176-4

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
PN-EN 12184 Tabl. 2	**7**	Theoretical energy range	-	*N/A*	*Testing relates electrically powered wheelchairs*

TEST RESULTS according to PN-ISO 7176-5

Test method according to clause	Checked characteristics/assemblies/parameters	Test result 4 x wheels A	Test result 2 wh. A + 2 wh. B	Opinion	Comments
8.2	Overall length of wheelchair with legrest and footrest	*930 mm*	*1123 mm*	*N/R.*	
8.3	Overall width	*560 mm*	*656 mm*	*N/R.*	
8.4	Height of grips above the ground	*955-1006 mm*	*955 mm*	*N/R.*	
8.5	Minimum length of folded wheelchair	*524 mm*	*524 mm*	*N/R.*	
8.6	Minimum overall width of folded wheelchair	*484 mm*	*484 mm*	*N/R.*	
8.7	Minimum height of folded wheelchair	*533 mm*	*533 mm*	*N/R.*	
8.8	Castor wheels lift height in the wheelchair with anti-overturn device	--	--	*N/A*	
8.9	Mass	*12,7 kg*	*17,1 kg*	*N/R.*	
8.10	Mass of the heaviest parts	*7,2 kg*	*6,5 kg*	*N/R.*	
8.11	Pivot width (fig. 9)	*955 mm*	*1200 mm*	*N/R.*	
8.12	Width of U-turn limited by spacing of walls	*1100 mm*	*1350 mm*	*N/R.*	
8.13	Diameter of the rotation (fig. C3)	*1740 mm*	*1700 mm*	*N/R.*	
8.14	Ground clearance (fig. 5)	*195 mm*	*195 mm*	*N/R.*	
8.15	Required width of angled corridor (fig. 15)	*700 mm*	*850 mm*	*N/R.*	
8.16	Required doorway entry depth (fig. 14)	*1010 mm*	*1250 mm*	*N/R.*	
8.17	Required corridor width for side opening (fig. 13)	*700 mm*	*920 mm*	*N/R.*	

According to PN-EN 12183 Annex.B and PN-ISO 7193 recommended max overall dimensions: length: 1200mm, width: 700mm, height: 1200mm

TEST RESULTS according to PN-ISO 7176 –6

Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
7.1.	Maximum speed during drive forwards	-	*N/A*	*Testing relates electrically powered wheelchairs*
7.2.	Maximum speed during drive backwards	-	*N/A*	
8.1.	Maximum acceleration	-	*N/A*	
8.2.	Maximum deceleration	-	*N/A*	

TEST RESULTS according to PN-ISO 7176 –7

Test method according to clause	Checked characteristics/assemblies/parameters	Test result 4 x wheels A	Test result 2 wh. A + 2 wh. B	Opinion	Comments
7.3.2.	Angle of seat plane	*0,0°*	*0,0°*	*N/R.*	
7.3.3.	Effective depth of seat	*420 mm*	*420 mm*	*N/R.*	
7.3.4.	Width of seat	*450 mm*	*420 mm*	*N/R.*	
7.3.5.	Effective width of seat	*450 mm*	*450 mm*	*N/R.*	
7.3.6.	Height of front edge of seat plane	*500-551 mm*	*500 mm*	*N/R.*	
7.3.7.	Angle of backrest	*11,0°*	*11,0°*	*N/R.*	
7.3.8.	Height of backrest	*455 mm*	*455 mm*	*N/R.*	
7.3.9.	Width of backrest	*440 mm*	*440 mm*	*N/R.*	
7.3.10.	Moving forward of headrest	--	--	*N/A*	
7.3.11.	Height of headrest over the seat	--	--	*N/A.*	
7.3.12.	Distance of footrest from seat	*390-470 mm*	*390-470 mm*	*N/R.*	
7.3.13.	Clearance of footrest	*50 - 125 mm*	*50 - 125 mm*	*N/R.*	

Test method according to clause	Checked characteristics/assemblies/parameters	Test result 4 x wheels A	Test result 2 wh. A + 2 wh. B	Opinion	Comments
7.3.14.	Length of footrest	*152 mm*	*152 mm*	*N/R.*	
7.3.15.	Angle of footrest	*103^0*	*103^0*	*N/R.*	
7.3.16.	Angle of legrest	*113^0*	*113^0*	*N/R.*	
7.3.17.	Height of armrests	*202 mm*	*202 mm*	*N/R*	
7.3.18.	Moving forward of armrests	*310 mm*	*310 mm*	*N/R*	
7.3.19.	Length of armrests	*240 mm*	*240 mm*	*N/R*	
7.3.20.	Width of armrests	*49 mm*	*49 mm*	*N/R*	
7.3.21.	Angle of armrests	*0,0^0*	*0,0^0*	*N/R*	
7.3.22.	Distance between armrests	*463 mm*	*463 mm*	*N/R*	
7.3.23.	Position of the front of armrests	*310 mm*	*310 mm*	*N/R*	
7.3.24.	Diameter of drive wheel	--	*540 mm*	*N/R*	
7.3.25.	Diameter of driving wheel	*124 mm*	*602 mm*	*N/R.*	
7.3.26.	Displacement of wheel axis horizontally	*40 mm*	*40 mm*	*N/R.*	
7.3.27.	Displacement of wheel axis vertically	*438 mm*	*200 mm*	*N/R.*	
7.3.28.	Diameter of castor/front wheel	*124 mm*	*124 mm*	*N/R.*	

***NOTE 1:** Measurements were made in the wheelchair with factory regulations (photo) (refer to ISO 7176-5, PN-ISO 7176-7)*
***NOTE 2:** Measurements were made burdening the wheelchair with dummy RLG – refers to PN-ISO 7176-7*

TEST RESULTS according to ISO 7176-8

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
4.	**8.4.**	Armrest – resistance to forces acting downwards	*Conf.*	*Pos.*	*loading 888 N*
4.	**8.5.**	Footrests - resistance to forces acting upwards	*Conf.*	*Pos.*	*loading 1226 N*
4.	**8.6.**	Anti-tip levers	--	*N/A*	
4.	**8.7.**	Grips	--	*N/A*	
4.	**8.8.**	Armrest – forces acting upwards	--	*N/A*	
4.	**8.9.**	Footrest – forces acting upwards	*Conf.*	*Pos.*	*loading 824 N*
4.	**8.10.**	Handle grips for pushing – load acting upwards	*Conf.*	*Pos.*	*loading 1760 N*
4.	**8.11.**	Scooter steering handles: Resistance to forward forces	--	*N/A*	
4.	**8.12.**	Scooter steering handles: Resistance to rearward forces	--	*N/A*	
4.	**8.13.**	Scooter steering handles: Resistance to downward forces	--	*N/A*	
4.	**8.14.**	Scooter steering handles: Resistance to upward forces	--	*N/A*	
4.	**9.3.**	Backrest – impact strength	*Conf.*	*Pos.*	*25kg pendulum impact*
4.	**9.4.**	Driving wheel – impact strength	*Conf.*	*Pos.*	*10kg pendulum impact*
4.	**9.5.**	Castor/front wheel – impact strength	*Conf.*	*Pos.*	*10kg pendulum impact*
4.	**9.6.3.**	Footrest – side impact	*Conf.*	*Pos.*	*10kg pendulum impact*
4.	**9.6.4.**	Footrest – in-line impact	*Conf.*	*Pos.*	*10kg pendulum impact*
4.	**9.7.1.**	Upward impacts on anti-tip devices	--	*N/A*	*10kg pendulum impact*
4.	**9.7.2.**	Forward or rearward impacts on anti-tip devices	--	*N/A*	*10kg pendulum impact*
4.	**9.7.3.**	Lateral impacts on anti-tip devices	--	*N/A*	*10kg pendulum impact*
4.	**10.3.2.**	Testing of manually propelled wheelchair on two-drum machine	*Conf.*	*Pos.*	*200 000 of cycles with full loading of wheelchair (150kg)*
4.	**10.3.3.**	Measurement of initial current for electrically powered wheelchair	-	*N/A*	
4.	**10.3.4.**	Testing of electrically powered wheelchair on two-drum machine	-	*N/A*	
4.	**10.4.**	Drop testing	*Conf.*	*Pos.*	*6666 drops of wheelchair with full loading (150kg) from height of 50mm*
4.	**10.5.**	Fatigue test of manually operated parking brakes	*Conf.*	*Pos.*	*60 000 cycles*

NOTE: For cl. 9.3 – angle $\Theta = 30^0$, for cl. 9.4 – angle $\Theta = 45^0$, for cl. 9.5, 9.6.3, 9.6.4– angle $\Theta = 56^0$

TEST RESULTS according to ISO 7176 –9

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
8	**7.3**	Water resistance	-	*N/A*	*Testing concerns electrically powered wheelchairs*

TEST RESULTS according to PN-ISO 7176 –10

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
PN-EN 12184: Tab. 1	7.1.	Ability to overcome obstacle during drive forwards	–	*N/A*	*Testing concerns electrically powered wheelchairs*
	7.2.	Ability to overcome obstacle during drive backwards	–	*N/A*	*Testing concerns electrically powered wheelchairs*

TEST RESULTS according to PN-ISO 7176 –14

NOTE. Testing concerns electrically propeller wheelchairs – performed by Electrotechnical Laboratory

TEST RESULTS according to PN-ISO 7176 –15

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
7.3		**Content of service manual**			
7.3.a	V/I	Data concerning guarantee	–	*N/T*	
7.3.b	V/I	**General characteristics:**			
		- description of wheelchair with photos or drawings and description of utilization	–	*N/T*	
		- description of user with maximum mass stated	–	*N/T*	
		- description of environment of intended utilization	–	*N/T*	
		- value of recommended pressure in pneumatic tyres	–	*N/T*	
7.3.c	V/I	**When wheelchair is sold in elements for individual assembly**			
		- list of components	–	*N/T*	
		- information on tools necessary to fold wheelchair	–	*N/T*	
		- instruction of bringing lacking or damaged parts	–	*N/T*	
		- assembly, installation and disassembly instruction of parts delivered by manufacturer	–	*N/T*	
		- instructions for preparing wheelchair to storage, transport	–	*N/T*	
7.3.d	V/I	**Service manual of wheelchair**			
		- use of wheelchair on surfaces where user moves	–	*N/T*	
		- get on and get off wheelchair	–	*N/T*	
		- illustrations explaining these instructions	–	*N/T*	
		- Descriptions of feasible improper use of wheelchair	–	*N/T*	
7.3.e	V/I	**Maintenance instruction**			
		• Details of maintenance:			
		- service, maintenance/detection of damages, for which user is responsible	–	*N/T*	
		- tools necessary for repair and service of wheelchair	–	*N/T*	
		- maintenance frequency	–	*N/T*	
		- list of parts (with numbers) and way of is purchase	–	*N/T*	
		- conditions when manufacturer, supplier takes action	–	*N/T*	
		• Ways of cleaning	–	*N/T*	
		• Elements intended to easy replacement:			
		- information on orders	–	*N/T*	
		- instruction of disassembly	–	*N/T*	
		- information on replacement and testing of parts	–	*N/T*	
		- illustration of parts and their placement	–	*N/T*	
		• Ways of performance dangerous activities	–	*N/T*	
7.3.f	V/I	Performing of parameters control	–	*N/T*	
7.3.g	V/I	**Repair of wheelchair**			
		- Identification of parts to be repaired by user	–	*N/T*	
		- Identification of parts operated by manufacturer or service to maintain guarantee	–	*N/T*	
		- Identification of parts removable and sent to manufacturer/service	–	*N/T*	
		- Conditions under which manufacturer/service is obliged to perform repair	–	*N/T*	
		- List of authorized service workshops	–	*N/T*	
		- Information if spare parts can be purchased	–	*N/T*	
		- Way of package and transport, if necessary	–	*N/T*	

Requirements according to clause	Test method according to clause	Checked characteristics/assemblies/parameters	Test result	Opinion	Comments
		Content of specification sheets of manufacturer			
Annex A	**V/I**	Manufacturer	--	*N/T*	
Annex A	**V/I**	Address	--	*N/T*	
Annex A	**V/I**	Model	--	*N/T*	
Annex A	**V/I**	Maximum mass of user	--	*N/T*	
Annex A	**V/I**	Overall length with legrest	--	*N/T*	
Annex A	**V/I**	Overall width	--	*N/T*	
Annex A	**V/I**	Length after assembly	--	*N/T*	
Annex A	**V/I**	Width after assembly	--	*N/T*	
Annex A	**V/I**	Height after assembly	--	*N/T*	
Annex A	**V/I**	Total mass	--	*N/T*	
Annex A	**V/I**	Mass of the heaviest part	--	*N/T*	
Annex A	**V/I**	Static stability downhill	--	*N/T*	
Annex A	**V/I**	Static stability uphill	--	*N/T*	
Annex A	**V/I**	Side static stability	--	*N/T*	
Annex A	**V/I**	Energy range	--	*N/T*	
Annex A	**V/I**	Dynamic stability uphill	--	*N/T*	
Annex A	**V/I**	Determination of obstacles	--	*N/T*	
Annex A	**V/I**	Maximum speed forward	--	*N/T*	
Annex A	**V/I**	Minimum braking distance at maximum speed	--	*N/T*	
Annex A	**V/I**	Seat plane angle	--	*N/T*	
Annex A	**V/I**	Effective depth of seat	--	*N/T*	
Annex A	**V/I**	Effective width of seat	--	*N/T*	
Annex A	**V/I**	Height of seat to front edge	--	*N/T*	
Annex A	**V/I**	Backrest angle	--	*N/T*	
Annex A	**V/I**	Height of backrest	--	*N/T*	
Annex A	**V/I**	Distance of seat from footrest	--	*N/T*	
Annex A	**V/I**	Angle between seat plane and legs	--	*N/T*	
Annex A	**V/I**	Height of armrest from seat	--	*N/T*	
Annex A	**V/I**	Distance of front part of armrest from rear rest	--	*N/T*	
Annex A	**V/I**	Diameter of drive wheel	--	*N/T*	
Annex A	**V/I**	Position of wheel axis horizontally	--	*N/T*	
Annex A	**V/I**	Width of turning	--	*N/T*	

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: During visual inspection before testing any visible defects that can have an effect on test results were not stated.

NOTE 2: Sample/object for testing was delivered to the Laboratory by the Orderer.

NOTE 3: Test dummy of mass 150 kg and person of required mass were used for testing.

NOTE 4: Environment temperature for testing - 19^{0}C.

Final assessment			
PN-EN ISO 21856:2023-01	***Pos.***	**PN-ISO 7176-7:2001**	***Tested****
PN-EN 12183:2023-02	***Pos.***	**ISO 7176-8:2014**	***Pos.***
PN-EN 12184:2023-02	***N/A***	**ISO 7176-9:2009**	***N/A***
ISO 7176-1:2014	***Tested****	**ISO 7176-10:2008**	***N/A***
ISO 7176-2:2001	***N/A***	**PN-ISO 7176-14:2001**	***N/A***
ISO 7176-3:2012	***Pos.***	**PN-ISO 7176-15: 2002**	***N/T***
ISO 7176-4:2008	***N/A***	**ISO 7176-16: 2012**	***N/T***
ISO 7176-5:2008	***Tested****	**PN-EN 1021-1:2014-12**	***N/T***
ISO 7176-6:2001	***N/A***	**PN-ISO 7176-19:2008**	***N/T***

*) The standard does not specify requirements towards tested parameters of product

Note: Conformity assessment of product according to standard requirements refer to the scope of mechanical tests ordered by client, excluding testing of material biocompatibility with human body according to PN-EN ISO 10993-1:2010

MARKING VERIFICATION

Name of product: *Manual lightweight wheelchair*

Commode and shower chair
"KAKADU" (Standard) +
24" Plastic wheels with quick release

Applicant: *MOBILEX A/S*
Grønlandsvej 5,
DK-8660 Skanderborg

Requirement according to PN-ISO 7176-15:2002		**Durable marking on wheelchair**
8.1.a	Name and address of manufacturer	*N/T*
8.1.b	Identification of model and serial number	*N/T*
8.1.c	Year of production	*N/T*
8.1.d	Information on likely driver constraints	*N/T*
8.1.e	Maximum mass of user	*N/T*
8.2	Marking of dimension on tyres	*N/T*
Requirement according to PN-EN 12183:2023-02		**Durable marking on wheelchair**
12.5	a) the maximum load of the wheelchair, i.e. the total of the maximum occupant mass and the maximum mass of any other items intended to be carried by the wheelchair	*N/T*
	b) for wheelchairs where the intended use includes use as a seat in a motor vehicle, the position of attachment points for wheelchair tie-down and occupant restraint systems	*N/T*
	c) for wheelchairs not intended to be used as a seat in a motor vehicle, a warning to that effect	*N/T*
	CE marking	*N/T*

N/A – not applicable

- END -

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ANNEX 1 TO TEST REPORT No. CBC-089/2023

Identification of wheelchair elements

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ANNEX 2 TO TEST REPORT No. CBC-089/2023

Identification of wheelchair elements