ZHONGSHAN QUNN MEDICAL EQUIPMENT CO.,LTD
NO.108 ZHAOYI ROAD, XIAOLAN TOWN, ZHONGSHAN CITY,CHINA

Sample Descriptions	:	BROOKLYN WITH SOFT WHEELS
Item No.(s)	:	FD88601-T-PU EG-04
Country of Origin	:	CHINA
Manufacturer	:	ZHONGSHAN QUNN MEDICAL EQUIPMENT CO.,LTD

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

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Sample Receiving Date	:	Mar 24, 2026
Test Performing Date	:	Mar 24, 2026 to Apr 08, 2026
Test Performed	:	Selected test(s) as requested by applicant
Test Result(s)	:	For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jeffern Li

Jeffern Li
Authorized Signatory

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Test Conducted: Base on ISO 11199-2:2021+A1:2024 Assistive products for walking manipulated by both arms — Requirements and test methods —Part 2: Rollators

1. Details of sample

Classification code and name	:	12 06 06 rollators
Maximum permissible user mass /accessory capacity	:	136 kg
Maximum rollator height	:	971 mm
Minimum rollator height		848 mm
Maximum rollator width	:	628 mm
Maximum rollator length	:	701 mm
Maximum rollator turning diameter	:	904 mm
Width between the centerlines of the handgrips	:	485 mm
Handgrip width	:	Left: 37.01 mm
		Right: 36.81 mm
Mass of rollator	:	8.11 kg
Whether or not tools are necessary to operate the adjustment and folding devices	:	No
Diameter of that part of the tip which is in contact with the walking surface	:	NA
Applicable warning/labels on the product and packaging/user manual	:	No Present

2. Test Results: Details shown as following table

Clause	Test Item	Result
6	**General requirements and test methods**	
6.1	**Risk analysis** The safety of a rollator shall be assessed by the manufacturer by identifying hazards and estimating the risks associated with them using the procedures specified in ISO 14971. If relevant, ISO 12100 can be used additionally. When a rollator is intended by the manufacturer to be used in combination with other devices, the risks shall be assessed by the manufacturer. NOTE 1 In the case of certain disabilities, there can be a need for higher levels of safety for equipment used to offset the effects of that disability. NOTE 2 For precise information on the hazard causes a risk, refer to Annex A.	NT
6.2	**Rollators that can be dismantled** If it is intended that a rollator can be dismantled for storage or transportation, it shall not be possible to reassemble it in a manner that presents a hazard. Hazard condition should be checked by disassembling and reassembling the rollator according to the manufacturer's instructions. The fasteners that are loosened or removed to allow dismantling shall not be single	Pass

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Clause	Test Item	Result
	use fasteners. NOTE Single use fasteners include but are not limited to self-locking nuts/screws, wood screws and self-tapping screws. Bolts are examples of fasteners that can be used more than once.	
6.3	**Fasteners** All load-bearing fasteners shall be either self-locking or fitted with a locking device to prevent inadvertent detachment.	Pass
6.4	**User mass/load limit** The maximum user mass shall be specified by the manufacturer. For load carrying accessories, the load capacity of the accessories shall be specified by the manufacturer	Pass
6.5	**Structure requirements** A rollator shall be designed to be manoeuvrable for indoor or outdoor use or a combination of the two: For indoor use on a level surface: — the front wheel diameter shall be greater or equal to 75 mm. For outdoor use: — the front wheel diameter shall be greater or equal to 180 mm; — the wheel width shall be greater or equal to 22 mm.	Pass
6.6	**Brakes**	
6.6.1	**General requirements** All rollators shall have running brakes that are easy to operate by the user when the rollator is in motion. All rollators that have a resting seat shall have parking brakes that can be integrated with the running brakes. All rollators that are designed for outdoor use shall have parking brakes that can be integrated with the running brakes. Maximum grip distance for operating running brakes shall be not greater than 75 mm, measured (see Figure 3, Key 1). NOTE For rollators with pressure brakes, there is no grip distance. If the effectiveness of the brake will be reduced by wear, it shall have means for the compensation of wear. Brake performance shall not be adversely affected by folding, unfolding or adjusting actions. If readjustment of the brakes is necessary following an adjustment action of the rollator, tools shall not be required (e.g. height adjustment).	Pass
6.6.2	**Brake effectiveness**	
6.6.2.1	**Requirements** This requirement applies to both, parking brakes and running brakes. The rollator shall not move more than 10 mm in 1 min if the running brake or the parking brake is activated. The maximum force to apply and release the brakes shall not exceed — 60 N for pushing forces, and — 40 N for pulling forces. Operating device acts on both wheels (central brakes), each of the brake-operating devices shall be tested separately.	Pass Loading force: 680 N Moving distance: 1 mm
6.6.2.2	**Test method** Place the rollator with its wheels on the test plane specified in 4.6. Position the rollator	

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Clause	Test Item	Result
	so that a line through the axles of the wheels is parallel ±3° to the axis of tip of the test plane. Apply the loading force vertically to the rollator at the midpoint of the line joining the front handgrip reference points on the two handgrips. For a user mass of 100 kg, the loading force shall be 500 N ± 10 N. If the maximum user mass specified for the rollator deviates from a user mass of 100 kg, the loading force shall be 5,0 N per kilogram of the maximum user mass ±2 %. The load shall be no less than 175 N ± 3,5 N. Activate the brakes by applying the force specified in Table 3 to each of the brake-operating devices along the grip distance. Tilt the test plane to an angle of 6° +0,5/-0,0. Remove the stoppers. The friction between the braking wheels and the top surface of the plane shall be such that the wheels do not slide. Leave the rollator for 1 min. If the wheels turn, the rollator shall not move more than 10 mm in 1 min. Repeat the procedure with the rollator facing uphill as in Figure 8.	
6.6.3	**Durability of brakes**	
6.6.3.1	**Requirements** The following requirement applies to both parking brakes and running brakes: No part of the brakes shall crack or break and the effectiveness of the brake shall meet the requirements in 6.6.2.1 after the durability test.	Pass
6.6.3.2	**Test methods** If the rollator has two identical running or parking brakes, only one of the running and parking brakes shall be tested. The maximum force to apply and release the brakes for the test shall not exceed — 60 N for pushing forces, and — 40 N for pulling forces. Place the rollator with its wheels on the test plane specified in 4.6. Move the lever of the brake from non-braking position to the braking position for 100 000 cycles at a frequency not greater than 0,5 Hz. The maintenance can be carried out during the testing only in accordance with the manufacture's instructions. The durability test of the parking brake and running brake can be performed sequentially or simultaneously	
6.7	**Handgrip** The handgrip width shall be no less than 20 mm and not more than 50 mm. This shall be checked by measurement. NOTE This requirement is not applicable to anatomic handgrips. The handgrip shall be securely fixed to the handle of the rollator	Pass
7	**Materials**	
7.1	**General** The materials used in a rollator should not mark, or scratch. The rollator materials should not cause discoloration of skin or clothing when the rollator is in normal use. Manufacturers should, wherever possible, use materials that can be recycled for further use. It shall be stated in the instructions for use which parts can be recycled.	NT
7.2	**Flammability**	
7.2.1	**General** Risk of flammability that can affect user safety shall be assessed by the manufacturer in the risk analysis. Parts identified by risk of flammability shall be tested according ISO 8191-2. Residual risks should be reported in the instruction.	NT
7.2.2	**Upholstered parts** If the manufacturer claims that the upholstered parts are resistant to ignition by	

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Clause	Test Item	Result
	cigarette, progressive smouldering ignition and flaming ignition shall not occur when the materials used for the upholstered parts of an assistive product are tested in accordance with ISO 8191-2.	
7.3	**Biocompatibility and toxicity** Materials that come into contact with the human body shall be assessed for biocompatibility using the guidance in ISO 10993-1. The assessment shall also take into account the intended use and contact by those involved in user care. The assistive products shall be designed and manufactured in such a way as to reduce to a minimum the risks posed by substances leaking from the assistive product. Special attention shall be given to substances that are carcinogenic, mutagenic or toxic to reproduction and other substances of very high concern (SVHCs). The result of the assessment shall be incorporated in the risk analysis (see 6.1).	NT
7.4	**Infection and microbiological contamination**	
7.4.1	**General** The rollator and its auxiliary parts should be designed to be accessible for cleaning to prevent cross infection.	NT
7.4.2	**Cleaning and disinfection** The method and suitable cleaning and/or disinfection materials shall be described in the information supplied by the manufacturer. NOTE For guidance see B.1.1. If a rollator is intended to be cleaned by automatic washing systems or hand-held jet stream/steam washing, the details of the procedure, such as temperature, pressure, flow and pH value of cleaning/rinsing solution shall be described in the instructions for use. Where practicable, the rollator shall be labelled with appropriate symbols to represent the method of cleaning. See examples of labelling and an example of testing of machine washable rollator in B.1.1.	
7.5	**Resistance to corrosion** The risk of corrosion affecting the safety of the user or an assistant shall be assessed in the risk analysis (see 6.1). Assistive products for walking that are identified to be at risk of corrosion shall be sufficiently protected against corrosion. The salt spray test according to ISO 9227 with a test duration of 72 hours can be used.	NT
8	**Ingress of liquids** If liquid can come unintentionally into any cavities or enclosure, it shall be able to drain through drain holes again. The hazards that can be caused by the ingress of liquids shall be assessed in the risk analysis (see 6.1). NOTE Hazards can be risk of corrosion or bacterial growth. Test if there is a way for the liquid to get out of the enclosure or any cavities, by using procedures as in normal use and handling of the product. If possible, tilt the product in	NT

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Clause	Test Item	Result
	different directions to verify this.	
9	**Temperatures of parts that come in contact with human skin** The risk analysis (see 6.1) shall identify hazards and evaluate the risks associated with the surface temperature of parts that can come into contact with human skin during the intended conditions of use. The risk analysis shall use: a) the range of ambient temperatures to be expected during the intended use and foreseeable misuse; NOTE These temperatures could include direct exposure to sunshine, extreme cold, saunas, etc. b) the ergonomic data on acceptable temperatures of touchable surfaces according to ISO 13732-1; c) use of the rollator by people with insensitive skin (i.e. cannot feel heat) and/or damaged skin: the maximum temperature shall not exceed 41 °C when measured according to the test methods given in ISO 13732-1; except that 1) if a manufacturer cannot meet this requirement without impairing the intended performance of the rollator, each product should be supplied with a warning identifying which surfaces can reach a higher temperature than that specified and with a description of the precautions necessary to offset the increased risk, and 2) if a manufacturer cannot meet the surface temperature requirement, the reasons shall be set out in the technical documentation.	NT
10	**Safety of moving parts**	
10.1	**Squeezing** If the intended purpose cannot be achieved without a hazard such as risk of squeezing (e.g. the elbow or knee flexion of limb prothesis) a) any moving parts that constitute a safety hazard shall be provided with guards that can only be removed by the use of a tool, or b) the gap between exposed parts of a rollator that move relative to each other shall be maintained throughout the range of movement at less than the minimum value or more than the maximum value set out in Table 1. These measurements shall be done before and after any relevant strength, durability and impact testing. **Table 1 — Safe distances between moving parts** **To avoid** / **Safe distances for adults** / **Safe distances for childrena**	Pass

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Clause	Test Item	Result

Finger traps	Less than 8 mm or more than 25 mm	Less than 4 mm or more than 25 mm
Foot traps	Less than 35 mm or more than 120 mm	Less than 25 mm or more than 120 mm
Head traps	Less than 120 mm or more than 300 mm	Less than 60 mm or more than 300 mm
Genitalia traps	Less than 8 mm or more than 75 mm	Less than 8 mm or more than 75 mm
a Also includes adults with a height of less than 146 cm, or a mass of less than 40 kg, or a BMI of less than 17.		

For moving parts that can cause squeezing, manufacturers shall take into consideration what part/parts of the body are at risk. The user/user group has to be specified, so that correct safety distances can be applied.

10.2 **Mechanical wear** — Pass

Parts subject to mechanical wear likely to result in a safety hazard shall be accessible for inspection, unless it is intended to be replaced by a service interval specified by the manufacturer.

11 **Prevention of traps for parts of the human body**

11.1 **Holes and clearances** — Pass

Holes in and clearances between stationary parts that are accessible to the user and/or assistant during the intended use of a rollator shall be as specified in Table 2.

These measurements shall be done before and after any relevant strength, durability and impact testing.

Table 2 — Safe distances between stationary parts

To avoid	Safe distances for adults	Safe distances for childrena
Finger traps	Less than 8 mm or more than 25 mm	Less than 5 mm or more than 12 mm
Foot traps	Less than 35 mm or more than 100 mm	Less than 25 mm or more than 45 mm
Head traps	Less than 120 mm or more than 250 mm	Less than 60 mm or more than 250 mm
Genitalia traps	Less than 8 mm or more than 75 mm	Less than 8 mm or more than 75 mm
a Also includes adults with a height of less than 146 cm, or a mass of less than 40 kg, or a BMI of less than 17.		

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Clause	Test Item	Result
11.2	**V-shape openings** On holes with the shape of a keyhole or V-shaped openings the lower limit shall not apply. When inspecting the rollator for traps for body parts, any flexibility/elasticity of adjacent parts shall be taken into account.	NA
12	**Folding, adjusting and locking mechanisms**	
12.1	**General** Folding and adjusting mechanisms may cause a hazard if parts of the body can enter a gap between parts and be trapped when the gap is closed. If a rollator incorporates folding and/or adjusting mechanisms, it shall conform to Clauses 10 and 11. If the rollator is height adjustable, the increments shall not exceed 25 mm. Adjustments shall be securely fixed when in use. The maximum allowable elongation shall be clearly marked. After the durability test (see 17.2), the adjustment/folding mechanisms shall operate as intended by the manufacturer	Pass
12.2	**Folding mechanisms** To avoid a hazard where parts of the body can be trapped when the rollator is folded, the following shall be assessed: — the rollator shall incorporate means to protect the user from trapping and/or squeezing hazards; or — the gap between exposed parts of a rollator that move relative to each other shall be maintained throughout the range of movement at less than the minimum value or more than the maximum value set out in Table 1; or — if the intended purpose of a rollator cannot be met without a hazard such as squeezing, a warning and instructions on how to operate the rollator safely shall be provided in the instructions for use. If guards are applied, the design of a guard shall take into consideration the forces that can be applied in normal use.	Pass
12.3	**Locking mechanisms** Locking mechanisms shall be required to maintain the rollator in the folder or in the working configuration if the absence of the locking device presents a hazard to the user. Locking mechanisms shall lock securely and shall be protected from unintended release.	Pass
13	**Carrying handles**	
13.1	**General** Manufacturers should note that national or other requirements can demand mass limits in excess of the following. If a rollator or a part of a rollator has a mass of 10 kg or more and the intended purpose is for it to be portable or to be handled according to manufacturer's	NA Rollator mass: 8.11 kg

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Clause	Test Item	Result
	instructions, it shall either a) have one or more handles suitably placed that enable the rollator or part to be carried by two or more persons, or be provided with suitable handling devices (e.g. handles, lifting eyes), or b) the instructions for use shall indicate the points where the rollator or its part can be lifted safely and describe how they should be handled during lifting, assembly and/or carrying. If practical, the rollator or component parts shall be labelled to indicate where it can be lifted safely and/or how it can be handled during assembly and/or carrying.	
13.2	**Requirements** If a rollator incorporates carrying handles or grips, they shall not become detached from the rollator and there shall not be any permanent distortion, cracking or other evidence of failure when tested as specified in 13.3. After the completion of the test the rollator shall operate as intended by the manufacturer.	
13.3	**Test method** If a rollator has one handle or grip, or if a rollator can readily be carried or lifted by one of a number of handles or grips, determine the force on each handle or grip when it is carried or lifted. If a rollator has more than one handle or grip, determine the force on each handle or grip when the rollator is carried or lifted in the intended manner. On each handle or grip, determine the force necessary to carry the rollator in the intended manner with a tolerance of ±3 % If there is more than one intended manner, determine the highest force. Restrain the rollator from being lifted or moved during the following test. Apply a force to each handle or grip, equal to twice that determined above with a tolerance of ±3 % uniformly distributed over a 70 mm ± 5 mm length in the centre of the handle or grip, avoiding shock (see Figure 6). Maintain the force for at least 60 s. Remove the force and the restraints and inspect the rollator for damage and satisfactory operation.	

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中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 sgs.china@sgs.com
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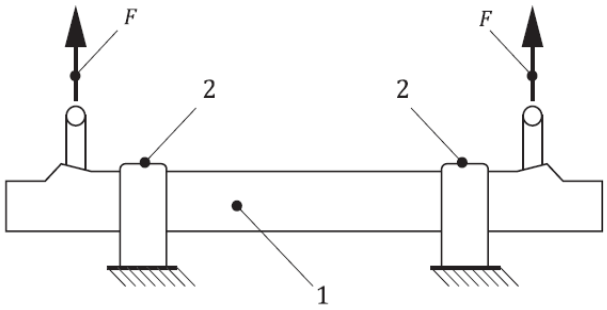
Clause	Test Item	Result
	 **Key** 1 rollator 2 restraints *F* test force **Figure 6 — Carrying handle test (example)**	
14	**Surfaces, corners and edges** If not required for the intended function for a rollator, all accessible edges, corners and surfaces shall be smooth and be free from burrs and protruding parts and sharp edges shall be rounded or chamfered. If not required for the intended function, the rollator shall not have protruding parts. Where possible, necessary protruding parts shall have protection to prevent injury and/or damage.	Pass
15	**Static stability**	
15.1	**Requirements for static stability** The rollator shall not tilt when tested according to 15.2. In forward direction, the angle of the plane at the point of rollator tilting shall be no less than 15,0° from the horizontal. In backward direction, the angle of the plane at the point of rollator tilting shall be no less than 7° from the horizontal. To the sideways direction the angle of the plane at the point of rollator tilting shall be no less than 3,5° from the horizontal.	Pass Tilting angle: Forward: >20.0° Backward: 11.6° Left side: 4.0° Right side: 4.1°
15.2	**Test method for static stability** The rollator shall be tested in the least stable configuration as described in Clause 5.	
15.2.1	**Forward-direction static stability test** Forward-direction static stability test shall be performed as follows. The rollator shall be placed with its wheels on a test plane that can be tilted from the horizontal with the centreline of the hinges parallel to the line through the axis of the front wheels, and at right angles to the normal direction of movement when the rollator is in use (see Figure 7). The loading force shall be applied vertically to the rollator. The loading line shall remain vertical and pass through the midpoint of the line joining the front handgrip reference points on the two handgrips.	

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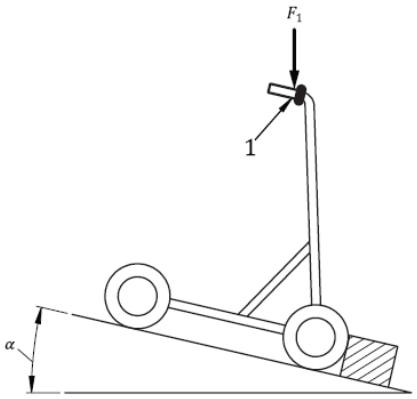
Clause	Test Item	Result
	A static force of 250 N ± 5 N shall be applied. The test plane shall be tilted and the maximum angle of the test plane at the point of rollator tilting recorded. Accuracy of measurement shall be less than or equal to ±0,5°.  Key 1 front handgrip reference point F_1 loading force α tilt angle Figure 7 — Loading geometry for forward-direction static stability test	
15.2.2	**Rearward-direction static stability test** Rearward-direction static stability test shall be performed as follows. The rollator shall be placed with its wheels on a test plane that can be tilted from the horizontal with the centreline of the hinges parallel to the line through the axis of the rear wheels, and at right angles to the normal direction of movement when the rollator is in use (see Figure 8). The loading force shall be applied vertically to the rollator. The loading line shall always be vertical and pass through the midpoint of the line through the rear handgrip reference points on the two handgrips. A static force of 250 N ± 5 N shall be applied. The test plane shall be tilted and the maximum angle of the test plane at the point of rollator tilting recorded. Accuracy of measurement shall be less than or equal to ±0,5°.	

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	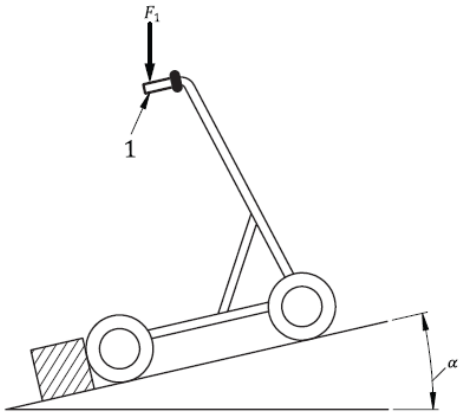 Key 1 rear handgrip reference point F_1 loading force α tilt angle Figure 8 — Loading geometry for rearward-direction static stability test	
15.2.3	**Sideway-direction static stability test** Sideway-direction static stability test shall be performed as follows. The rollator shall be placed with its wheels on a test plane that can be tilted from the horizontal with the centreline of the hinges parallel to the line through the centres of the areas of contact between the surface of the plane and the wheels or tips on the same side of the rollator as is the loaded handgrip (see Figure 9). The loading force shall be applied vertically to the rollator through a point halfway between the front and the rear reference points of that handgrip nearest to the hinges of the tilting test plane. The loading line shall always be vertical. A static force of 250 N ± 5 N shall be applied. The test plane shall be tilted and the maximum angle of the plane at the point of rollator tilting recorded. Sideways stability shall be tested on both handgrips in this manner and the lower value found shall be recorded as the sideways stability of the rollator. Accuracy of measurement shall be less than or equal to ±0,5°.	

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	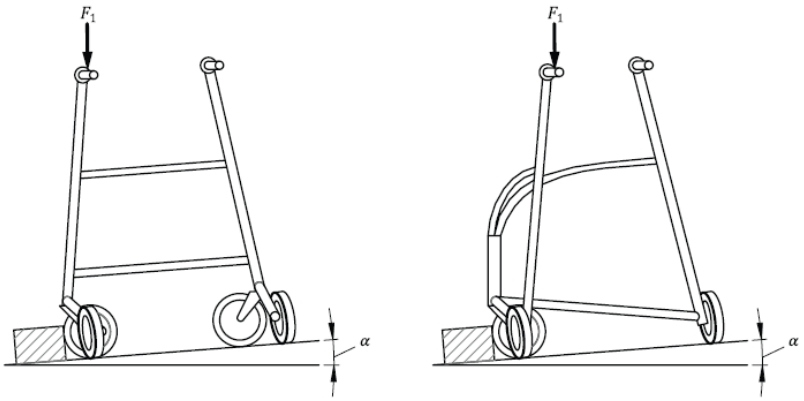 Key F_1 loading force α tilt angle Figure 9 — Loading geometry for sideway-direction static stability test	
15.2.4	**Accessory equipment static stability test** Rollators being supplied with accessories such as a drip holder, basket, tray, shopping bag and/or oxygen cylinder holder shall be tested for static stability in accordance with 15.2.1, 15.2.2 and 15.2.3, depending on where on the rollator the accessories are fixed. Tests shall be performed with each of the accessories and in combination, affixed to the rollator as recommended by the manufacturer under the worst-case conditions for each test. The results of the tests shall be within the limits given in 15.1. During the tests, the drip holder shall be loaded to maximum capacity, the basket, tray or shopping bag shall be loaded to the capacity specified by the manufacturer and the oxygen cylinder shall be full. If no specification has been given for the basket, tray or shopping bag, a bag of sand exerting a force of 50 N ± 1 N shall be placed, with the sand evenly distributed, in the bottom of the basket, tray and shopping bag.	
16	**Static strength**	
16.1	**Static strength of resting seat**	
16.1.1	**General** The rollator shall be tested in the most adverse condition as described in Clause 5.	Pass
16.1.2	**Requirements for static strength of resting seat** No part of the rollator shall crack or break.	Test force: 1632 N
16.1.3	**Test method for static strength of resting seat** Set the rollator stationary on a flat horizontal test floor. When equipped with a parking brake, apply the brake and hold it. Place the seat loading pad (see 4.9) on the seat so that the midpoint of the base of the loading pad is vertically aligned with the centre of the resting seat. Gradually apply a vertical loading force of 1200 N ± 24 N, including the force exerted by the mass of the loading pad to the centre of the resting seat. If the maximum user mass specified for the rollator deviates from a user mass of 100 kg, a force of 12,0 N per kilogram of maximum user mass ±2 % shall be applied. The load shall be no less than 420 N ± 8,4	

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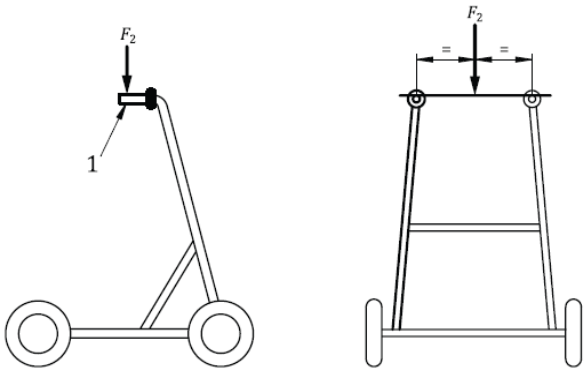
Clause	Test Item	Result
	N. Leave the resting seat loaded for a minimum period of 1 min.	
16.2	**Static strength of the rollator**	
16.2.1	**General** The rollator shall be tested in the most adverse condition as described in Clause 5.	Pass
16.2.2	**Requirements for static strength of the rollator** No part of the rollator shall crack or break and the permanent set of the rollator height shall not exceed 1 %.	Test force: 1632 N
16.2.3	**Test method for static strength of the rollator** Measure the rollator height within an accuracy of measurement of ±2 mm before and after performing the loading test. The rollator height reduction shall be recorded. The loading force shall be applied vertically to the rollator as shown in Figure 10. The loading line shall pass through the midpoint of the line joining the rear handgrip reference points of the two handgrips. A loading force of 1 200 N ± 24 N shall be applied for a user mass of 100 kg. If the maximum user mass specified for the rollator deviates from a user mass of 100 kg, a force of 12,0 N per kilogram of user mass ±2 % shall be applied. The load shall be no less than 420 N ± 8,4 N. The loading force shall be gradually applied over a minimum period of 2 s up to maximum force. This maximum force shall be maintained for a minimum of 1 min.  Key 1 rear handgrip reference points F_2 loading force Figure 10 — Loading geometry for static strength test	
16.3	**Strength of backrest**	
16.3.1	**General** The rollator shall be tested in the most adverse condition as described in Clause 5.	Pass
16.3.2	**Requirement for strength of backrest** No part of the rollator shall crack or break.	Test force: 612 N
16.3.3	**Test method for strength of backrest**	

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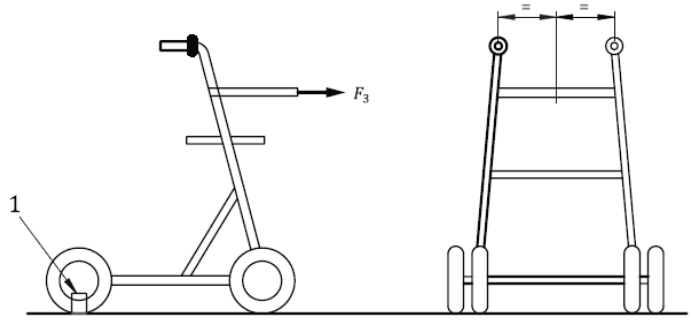
Clause	Test Item	Result
	Set the rollator stationary on a flat horizontal test plane. The rear wheels of the rollator shall be secured in such a way that the rollator does not move when the backrest is statically loaded. The static force shall be applied 90° to the backrest surface horizontally. The static force shall gradually be applied to the centre of the backrest, in the worst-case position during normal use (see Figure 11). The force is applied in a 50 mm wide region in the middle of the backrest. For example, a 50 mm wide lashing strap as described in EN 12195-2. The force shall be 4,5 N/kg of the maximum user weight ±2 %. The loading force shall not be less than 450 N ± 9 N. The test force is gradually increased over a minimum period of 2 s until reaching the maximum value. This maximum force shall be maintained for at least 60 seconds. This test shall be repeated 10 times.  Key 1 fixation point F_3 static force **Figure 11 — Loading geometry for backrest strength test**	
17	**Durability test** The rollator shall be tested in the least stable position as described in Clause 5.	Pass
17.1	**Requirement for durability** No part of the rollator shall crack or break and all adjustments and locking devices shall work as intended.	Test force: 1088 N
17.2	**Test method for durability** The fixation of the rollator shall be arranged in a way to not hinder the free deformation of the frame under the load. The loading force shall be applied vertically to the rollator as shown in Figure 12. The loading line shall pass through the midpoint of the line joining the rear handgrip reference points of the two handgrips. The rollator shall be placed with its wheels on a surface travelling at a speed not less than 0,4 m/loading cycle. If the rollator is equipped with pressure brakes, the test shall be performed on a rigid floor instead of on the travelling surface. For the durability test either the double-drum test equipment or the running belt test equipment can be used. NOTE An example of set-up of the fatigue test for a rollator with four wheels is shown	

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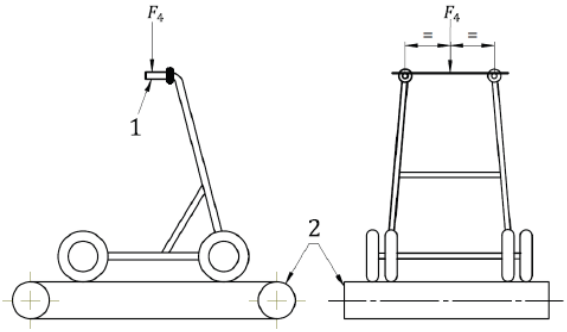
Clause	Test Item	Result
	in Figure 12. If the travelling surface is a cylinder, the diameter shall be equal to or greater than 250 mm ± 25 mm and the positioning of any of the rollator wheels shall at all times during the test be such that the vertical line through the wheel centre does not deviate from the vertical plane through the centre of the cylinder by more than ±5 mm.  Key 1 rear handgrip reference points F_4 force 2 test surface Figure 12 — Durability test for a rollator with four wheels A cyclic force of 800 N ± 16 N shall be applied for a user mass of 100 kg. If the maximum user mass specified for the rollator deviates from a user mass of 100 kg, apply a force of 8,0 N per kilogram of maximum user mass ±2 %. The loading force shall be no less than 280 N ± 5,6 N. The waveform of the cyclic loading force shall be of a sinusoidal or smooth kind without exaggerating pulses. The frequency of the cyclic loading shall not exceed 1 Hz. The number of cycles shall be 200 000.	
18	**Ergonomic principles**	
18	Ergonomic principles An assistive product for walking shall be designed to the ergonomic principles set out in EN 614-1+A1, taking into account the special needs of the person with a disability for whom the assistive product is intended. An assistive product for walking can be used not only by whom it is primarily intended for, but also by an assisting person. The ergonomic principles set out in EN 614-1+A1 shall apply to all involved persons. Grips, handles and pedals shall suit the functional anatomy of the user, according to the intended use and meet with the following requirements: a) the distance between any handle (part intended to be grabbed) requiring an operating force of more than 10 N and any construction part of the assistive product shall not be less than 35 mm; b) the distance between any upper surface of a pedal (in its operating position) and any other part of the assistive product shall have a vertical toe clearance of not less than 75 mm; c) the diameter of any operating handles and/or knobs requiring an operating force of	Pass

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<table>
<tr><th>Clause</th><th>Test Item</th><th>Result</th></tr>
<tr><td></td><td>more than 10 N shall be between 19 mm and 43 mm;
d) for assistive products operated from a standing position, pedals (tipping aid) shall be placed not more than 300 mm above the surface of the floor;
e) for assistive products operated from a standing position, hand operated controls shall be placed at a height of 800 mm to 1200 mm above the surface of the floor;
f) for a rollator operated from a sitting position, controls intended to be operated by the occupant while seated shall be within the occupant’s reach space;
g) the operating forces or torques required for those parts of the rollator that are designed to be operated by fingers, hands/arms or feet shall not exceed the values in Table 3.
If the intended purpose of a rollator can only be performed without meeting this requirement, a warning and instructions on how to operate the rollator safely shall be provided in the instructions for use based upon the risk analysis
Table 3 — Operating forces
<table>
<tr><th>Operation</th><th>Force/torque</th></tr>
<tr><td>operation by using a finger</td><td>5 N</td></tr>
<tr><td>operation by using a hand/arm (pushing)</td><td>60 N</td></tr>
<tr><td>operation by using a hand/arm (pulling)</td><td>40 N</td></tr>
<tr><td>operation by using a foot</td><td>300 N</td></tr>
<tr><td>operation by turning</td><td>1,9 Nm</td></tr>
<tr><td>rotation of seat surface</td><td>60 N</td></tr>
</table></td><td></td></tr>
<tr><td>19</td><td>Packaging
The hazards that can be caused by inadequate protective packaging shall be assessed in the risk analysis (see 6.1).

NOTE For guidance, see Annex B.</td><td>NT</td></tr>
<tr><td>20</td><td>Information supplied by the manufacturer</td><td></td></tr>
<tr><td>20.1</td><td>General
The information supplied by the manufacturer comprises the data in the instructions for use and/or on the label.
The information applied to, and supplied with, assistive products shall conform to ISO 20417.
Any means of provision of information with assistive product shall take into account the intended users, the conditions of use and any issues specific to individual assistive product type that are necessary for the safe and effective use of the rollator.
Special attention shall be paid to accessibility of the user information, particularly the instructions on operation and the design of labels and the design and presentation of warnings.
In addition, the manufacturer, should provide the information in the instructions for use in two separate sections: user and service information as specified in 20.2 and 20.3, respectively. These may be provided as separate printed documents or in other forms of media to meet the needs of individual users or their assistants.
Further guidance on the preparation of instructions can be found in IEC/IEEE 82079-1.</td><td>NT</td></tr>
</table>

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Clause	Test Item	Result
20.2	**Information marked on the product** Each rollator shall be clearly and indelibly marked with following: a) manufacturer's model identification name and/or number; b) whether or not the rollator is designed for indoor or outdoor use; c) maximum user mass; d) name or trade name and address of the manufacturer or authorized representative according to local requirements; e) year and month of manufacture; f) maximum safe working load (to be marked on the accessories); g) maximum width of the rollator; h) maximum allowed angle between the longitudinal centre line of the handle and the direction of motion, if the handles are sideways adjustable; i) all information shall as far as possible be available in Pictogram in accordance with ISO 7000 and ISO 15223-1.	NT
20.3	Instruction manual Instruction manual shall contain the followings for the rollator: a) information on how to obtain the user information in a format appropriate for use by people with visual, reading or cognitive disabilities; b) a description of the intended use including intended user and the intended environment; c) maximum user mass; d) maximum safe working load for load carrying accessories such as basket, tray, shopping bag, etc.; e) minimum and maximum height of the rollator; f) maintenance instructions, if applicable; g) if the rollator is intended to be cleaned, a description of the method and suitable cleaning materials, including precautions needed to avoid corrosion, if applicable; h) if the rollator is intended to be disinfected, a description of the method and suitable materials, including any precautions needed to avoid corrosion, if applicable; i) the overall dimensions (width, length and height) of the rollator, expressed in millimetres, and its mass, expressed in kilograms, when it is ready for use and, if applicable, when it is folded or dismantled; j) the mass expressed in kilograms, if the rollator can be dismantled or has any removable parts that has a mass that is heavier than 10 kilograms; k) if the rollator is supposed to be used in combination with other products, the manufacturer shall state which products, and how this can be done in a safe way; l) a list of accessories, detachable parts and materials that the manufacturer has determined as being intended for use with the rollator; m) whether and how the rollator can be folded or dismantled to assist in storage or transport; n) the location and the type of identification number/word on the rollator shall be given for the unique identification number of the assistive product; o) any adjustment or settings required before the rollator can be used and information on how adjustments or settings affect the rollator; p) information on adjustment possibilities and the competence required to carry out these adjustments; q) instructions on operation of all controls; r) instructions on dismantling and re-assembly of the rollator or any removable parts;	NT

检验检测专用章 Inspection & Testing Services
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

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Clause	Test Item	Result
	s) 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; t) a warning if surface temperatures can increase / decrease when exposed to external sources of heat (e.g. sunlight, outdoor environment); u) if the intended purpose of the rollator cannot be met without a hazard (e.g. holes, V-shaped opening), a warning and instructions on how to operate the assistive product safely; v) if the intended purpose of the rollator cannot be met without a hazard due to moving parts such as squeezing, a warning and instructions on how to operate the rollator safely; w) how to obtain information about the warranty; x) warning of the risk of falling from the rollator such as “Incorrect use can lead to hazardous situation – Do not use the products to transport a person”.	

Remark:
1. NA = Not applicable.
2. NT = Not tested as per client’s request.
3. This test was conducted at Room 101, Building 3, No.1501, Kaichuang Avenue, Huangpu District, Guangzhou, Guangdong Province, China.
4. This test report is to supersede No. GZHL260301222401MD-1 test report which was issued on Jun 12, 2026. And the original test reports (paper and electronic) are invalid.

Sample Photo(s):

Sample as received

Sample as received

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Sample as received	Sample as received
Sample as received	Sample as received

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

End of Report

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