

APPLICATION FOR SAFETY OF PRODUCT DIRECTIVE

On Behalf of

Yongkang Baifu Industrial and Trading Co., Ltd.

Walking pad treadmill

Model: Q1, Q1L, Q3, Q3L, Q5, Q5L, D1, D2, D3

**Prepared For : Yongkang Baifu Industrial and Trading Co.,
Ltd.**

**No. 33, Weitai Road, Industrial Functional
Zone, Zhiying Town, Yongkang, China**

Prepared By : Eport (Shenzhen) Electronics Co., Ltd.

**Rm 5-508, Haibin City Plaza, 46 Section,
Baoan District, Shenzhen, P.R.C**

Date of Test : April 23-28, 2024

Date of Report : April 29-30, 2024

Report Number : EPTC-BF-S240A892

Test Report EN ISO 20957-1: 2013 Stationary training equipment – Part 1: General safety requirements and test methods EN 957-6: 2010+A1: 2014 Part 6: Treadmills, additional specific safety requirements and test methods	
Testing laboratory	Eport (Shenzhen) Electronics Co., Ltd.
Address	Rm 5-508, Haibin City Plaza, 46 Section, Baoan District, Shenzhen, P.R.C
Testing location	Eport (Shenzhen) Electronics Co., Ltd. Rm 5-508, Haibin City Plaza, 46 Section, Baoan District, Shenzhen, P.R.C
Applicant	Yongkang Baifu Industrial and Trading Co., Ltd.
Address	No. 33, Weitai Road, Industrial Functional Zone, Zhiying Town, Yongkang, China
Standard	EN ISO 20957-1:2013 & EN 957-6: 2010+A1: 2014
Test Result	Compliance with EN ISO 20957-1:2013 & EN 957-6: 2010+A1: 2014
Procedure deviation	N.A.
Non-standard test method	N.A.
Type of test object	Walking pad treadmill
Trademark	N.A.
Model/type reference	Q1
Manufacturer	Yongkang Baifu Industrial and Trading Co., Ltd.
Address	No. 33, Weitai Road, Industrial Functional Zone, Zhiying Town, Yongkang, China
Classification	
Accuracy classes	C
Usage classes	H

Possible test case verdicts :	
test case does not apply to the test object	: N(.A.)
test object does meet the requirement	: P(ass)
test object does not meet the requirement	: F(ail)

Comment: 1. This test report is valid only to the samples tested.

Name and address of the testing laboratory: Eport (Shenzhen) Electronics Co., Ltd.
Rm 5-508, Haibin City Plaza, 46 Section, Baoan
District, Shenzhen, P.R.C

Reported by : Mark Zhang April 30, 2024
 Signature Date

Mark Zhang / Project Engineer
 Name and Title

Approved by : Eliza Chen April 30, 2024
 Signature Date

Eliza Chen / Manager
 Name and Title



<p>General remarks:</p>	
<p>"(see remark #)" refers to a remark appended to the report.</p> <p>"(see appended table)" refers to a table appended to the report.</p> <p>Throughout this report a comma is used as the decimal separator.</p> <p>The test results presented in this report relate only to the object tested.</p> <p>This report shall not be reproduced except in full without the written approval of the testing laboratory.</p>	<p>Attached with:</p> <p style="padding-left: 40px;">A. 2 pages of photo documentation</p>

Artwork of Marking Label



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Clause	Requirement – Test	Result - Remark	Verdict
5.	Safety requirements		P
5.1	General		P
	If any of the following safety requirements are applicable, the equipment shall meet the requirements using the test methods described in Clause 6.		P
5.2	Stability of equipment		P
	The stationary training equipment shall be stable in any direction, in training, folding and storage positions. The test shall be in accordance with 6.2.	Very stable in all positions	P
5.3	External construction		P
5.3.1	Edges and corners		P
	All edges and corners of surfaces supporting bodies shall have a radius $r > 2.5$ mm	Meet the requirement	P
	All other edges of components which are accessible to the user or to third parties shall be free of burrs rounded or protected.	All other edges of components are free of burrs rounded or protected.	P
5.3.2	Tube ends		P
	The plugs shall remain in position at the end of the endurance load test.	Meet the requirement	P
5.3.3	Squeeze and shear points within the accessible hand and foot area	Test in accordance with 6.3.3.	P
	Squeeze and shear points between moving parts and fixed parts, or between a moving part and the floor shall be guarded or shall have a minimum clearance of at least 60mm, except as follows:	Meet the requirement	P
	a) if only the fingers are at risk, the dimension shall be at least 25mm;	Meet the requirement	P
	b) if third party access is prevented by the user's body position, and where the user is able to immediately stop the movement, the distance shall be at least 25 mm;	Meet the requirement	P

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Clause	Requirement – Test	Result - Remark	Verdict
	d) open and obvious stops are excluded; however, if the stop is the part which is moving, then it shall pass no closer than 25 mm from any fixed frame member throughout its range of movement.	Meet the requirement	P
	All products shall fulfil the above requirements during use.		P
	For foldable products during folding or unfolding, the above requirements are waived if the following three requirements are simultaneously met:		P
	— inadvertent movement is not possible during folding, unfolding, transportation and/or storage;		P
	— access to squeeze and shear points remain at all times in the user's field of vision;		P
	— access to squeeze and shear points remain at all times in the user's field of vision;		P
5.3.4	Squeeze and shear points as well as rotating and reciprocating points in the accessible hand and foot area	Test in accordance with 6.3.3.	P
	The distance between movable parts or between a movable and a fixed part shall be at least 60 mm except as follows:		P
	a) if only fingers are at risk, the dimension shall not be less than 25 mm;	Meet the requirement	P
	b) if the distance between the moving part and fixed part, or between two moving parts, does not change during use or setup, the distance shall be greater than 25 mm or less than 9,5 mm;	Meet the requirement	P
	c) open and obvious stops are excluded. However, if the stop is the part which is moving, then it shall pass no closer than 25 mm to any fixed frame member throughout its range of movement.	Meet the requirement	P
5.3.5	Weights and resistant means		N
	The range of motion of all weights attached to the stationary training equipment shall be limited to that required to perform the exercise. Test in accordance with 6.3.4.		N

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Clause	Requirement – Test	Result - Remark	Verdict
	Weights and resistant means with stored energies (e.g. bungee cords, elastic tubes, mechanical springs) shall move freely and return to the starting point.		N
	Weights shall be securely retained during use.		N
5.4	Entrapment of the user	Test in accordance with 6.4.	P
	The possibility of users not being able to exit the equipment when using it according to the user's manual shall be avoided (e.g. providing assisted means of escape).		P
5.5	Adjustment components and locking mechanisms	Test in accordance with 6.5.	P
	Adjustment components and locking mechanisms on the stationary training equipment shall function securely, be conspicuous, self-evident and safely accessible to the user. The possibility of unintended change shall be eliminated.		P
	Adjustment components and locking mechanisms e.g. knobs and levers shall not interfere with the user's range of movement.		P
	Weight selection pins shall be fitted with a retention device to prevent unintended change or movement during the exercise.		P
5.6	Ropes, belts, chains and attachment components	Belts	P
5.6.1	General		P
	Ropes, belts, chains and their attachment components (e.g. snap links, shackles, carabineers, clamps or similar) shall have a safety factor against breakage of 6 times the maximum possible tension that can be developed. The design of the pulleys and the bending radius shall be in accordance with the applicable requirements of the rope, belt or chain manufacturers.	Belts	P
	Ropes, belts, chains and their attachment components shall not break and function as described in the user's manual.	Belts	P

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Clause	Requirement – Test	Result - Remark	Verdict
5.6.2	Ropes and belts	Test in accordance with 6.6.	P
	Rope and belt ends shall be, as a minimum, flush with the end of the termination means and shall be visible for inspection.		P
	Pressed connections shall not be subjected to bending.		P
	Rope and belt ends and grips shall have no sharp edges or frayed ends.		P
5.6.3	Rope and belt guides	Test in accordance with 6.7.	N
5.7	Pull-in points		P
	Pull-in points of rope or belt drives up to 1 800 mm height shall be protected except if the surface pressure is ≤ 90 N/cm ² or when access to the pull-in point is prevented by the user's body during exercising.		P
	This may be achieved by ensuring that the angle between the rope and the guard is not less than 50° in all positions. The guard shall not rotate together with the pulley.		P
5.8	Hand grips		N
5.8.1	Integral handgrips	Test in accordance with 6.9.	N
	Gripping positions shall be easily identifiable and designed to reduce slipping (e.g. textured, coated, knurled).		N
5.8.2	Applied handgrips		N
	When tested in accordance with 6.10, applied handgrips shall not be removed. Applied handgrips shall be equipped with a surface that reduces hand slip.		N
5.8.3	Rotating handgrips		N
	Rotating handgrips shall be secured during use and shall be designed to reduce slipping (e.g. textured). Test in accordance with 6.11.		N

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Clause	Requirement – Test	Result - Remark	Verdict
5.9	Endurance test		P
	The stationary training equipment shall function as specified in the manufacturer's instructions after the test has been carried out. Test in accordance with 6.12.	Meet the requirement	P
5.10	Isometric test requirements		N
	If the stationary training equipment is designed to perform an isometric test, then the load or force on the user's body shall be displayed with an accuracy of $\pm 10\%$ in the range of measurement given in the user's manual and the read outs shall be SI units.	Test in accordance with 6.13.	N
5.11	Heart rate measurement system		N
	The function of the heart rate measurement system shall be indicated on the display when the equipment is receiving a usable signal from the user, e.g. a blinking heart.	Test in accordance with 6.14.	N
5.12	Heart rate control mode		N
	The function of the heart rate measurement system shall be permanently indicated on the display when the equipment is receiving a usable signal from the user, e.g. a blinking heart.		N
	The loss of heart rate signal shall result in effort intensity remaining at the same intensity for maximum 60 s and then decrease until the minimum intensity is reached. The rate of decrease shall be at least 10 % in each 20 s time period.	Test in accordance with 6.15.	N
5.13	Electrical safety		P
	Concerning electrical and electronic aspects of stationary training equipment EN 60335-1 shall be applied. For medical devices EN 60601-1 shall be applied.		P
5.14	Loading	Test in accordance with 6.16.	P

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Clause	Requirement – Test	Result - Remark	Verdict
5.14.1	Intrinsic loading		P
	Each piece of equipment loaded with the user's bodymass shall withstand a force F of 2,5 times the bodymass.		P
	After the test the equipment shall not be broken and shall still function as intended by the manufacturer.		P
5.14.2	Extrinsic loading		P
5.15	Care and maintenance	Test in accordance with 6.18.	P
	Care and, if applicable, maintenance advice shall be provided with each piece of equipment. The advice shall include at least:		-
	a) a warning notice to the effect that the safety level of the equipment can be maintained only if it is examined regularly for damage and wear, e.g. ropes, pulleys, connection points;		P
	b) an advice to replace defective components immediately and/or keep the equipment out of use until repair;		P
	c) special attention to components most susceptible to wear.		P
5.16	Assembly instructions	Test in accordance with 6.18.	P
	If the stationary training equipment requires assembly, then a manual shall be supplied (in the national language), giving clear and accurate assembly instructions relating to the stationary training equipment and with an emphasis on safe assembly.		P
	If the stationary training equipment requires assembly, then a list of tools needed shall be provided.		P
	If the stationary training equipment requires assembly, then a comprehensive parts list shall be supplied, including identifying part numbers.		P

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Clause	Requirement – Test	Result - Remark	Verdict
	The manufacturer shall indicate the total mass and the total surface area (e.g. foot print) of equipment.		P
	When stationary training equipment is attached/anchored, e.g. to a wall or the floor, assembly instructions including the attaching/anchoring operations shall be provided.		P
	The manufacturer shall provide the minimum value (force) each attachment shall support.		P
5.17	General instructions for use	Test in accordance with 6.18.	P
	Each item of stationary training equipment shall be accompanied by a user's manual, in the national language including at least the following information.		-
	a) Customer service address.		P
	b) Full address of the manufacturer or importer.	Yongkang Baifu Industrial and Trading Co., Ltd. No. 33, Weitai Road, Industrial Functional Zone, Zhiying Town, Yongkang, China	P
	c) Indication of field of application (e.g. indoor use, explanation of the usage class).	H	P
	d) Indication that the free area shall be not less than 0,6 m greater than the training area in the directions from which the equipment is accessed. The free area must also include the area for emergency dismount. Where equipment is positioned adjacent to each other the value of the free area may be shared. The free area and training area shall be illustrated with a dedicated figure.		P
	e) Information on the correct use of the equipment and its features with the emphasis on safe operation, and the importance of keeping unsupervised children away from the equipment.		P

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Clause	Requirement – Test	Result - Remark	Verdict
	f) Exercise instructions with advice with regard to correct biomechanical positioning of the user on the stationary training equipment. A warning indicating that injuries to health may result from incorrect or excessive training. Instructions shall be given in respect of every major exercise type for which the equipment is designed.		P
	g) Texts concerning difficult or complicated manoeuvres shall be accompanied by illustrations.		N
	h) Instruction on how to safely use access and escape assist means.		N
	i) Design illustration.		P
	j) Warning that if any of the adjustment devices are left projecting, they could interfere with the user's movement.		P
	k) Warning that free standing equipment shall be installed on a stable and levelled base.		P
	l) Setting of the load and equipment further adjustments (e.g. seat adjustments).		N
	m) Indication of the maximum user body mass.	Max 120Kg	P
	n) Indication of the maximum training mass, if applicable.		N
	o) Explanation of the displayed data, if applicable.		P
	p) If the heart rate is displayed, a warning with the following content shall be given: "WARNING! Heart rate monitoring systems may be inaccurate. Over exercising may result in serious injury or death. If you feel faint stop exercising immediately".		N
5.18	Marking	Test in accordance with 6.18.	P
	Stationary training equipment shall be permanently marked with the following minimum information:		-

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Clause	Requirement – Test	Result - Remark	Verdict
	a) name or trademark and full address of the manufacturer, supplier or importer;	Yongkang Baifu Industrial and Trading Co., Ltd. No. 33, Weitai Road, Industrial Functional Zone, Zhiying Town, Yongkang, China	P
	b) maximum body mass of user and the maximum training mass for the individual exercise stations (if applicable);	Max (120±5)KG	P
	c) usage classes S, H or I and accuracy classes A, B, C, which can be combined (e.g. SA) if both classes are specified in that part of this International Standard;	HC	P
	d) individual code number (which contains information about type and year of manufacture);	2024	P
	e) graphical symbol or written information in the national language(s) instructing the user to read the information supplied by the manufacturer;		P
	f) for class S and I equipment, a conspicuous graphical symbol or written information in the national language(s) shall be applied if the equipment needs attachment/anchoring for safe operation.		N
	It is the responsibility of the manufacturer to display compliance with this International Standard by the additional indication of ISO 20957 in connection with the letter symbol of the designation class(es) (class S, H and I).	H	P

6.	Test method		P
6.1	Test conditions		P
	All testing shall be performed under the following conditions:		-
	a) temperature of 23 °C ± 5 °C;		P
	b) relative humidity of 55 % to 75 %.		P

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Clause	Requirement – Test	Result - Remark	Verdict
6.2	Stability test		P
6.2.1	Test in training position		P
	Place the equipment on a $(10^{+2}_{-0})^{\circ}$ incline surface, in the most onerous position.		P
	Perform exercise(s) that involve(s) the user's mass, with the equipment loaded with a person weighing (100 ± 5) kg, using the minimum as well as the maximum load, over the full range of exercise motion.		P
	In addition, if applicable, perform exercise(s) that does not involve the user's mass, using the minimum as well as the maximum load, over the full range of exercise motion.		P
	The equipment shall not tip over in either test.		P
	The test person shall not lean or try to influence the balance of the machine.		P
6.2.2	Test in folded/storage position		N
	Place equipment, folded according to the user's manual, on a $(10^{+2}_{-0})^{\circ}$ incline surface.		N
	The equipment shall not tip over in either test.		N
6.3	External construction		P
6.3.1	Test of edges and corners	Test by measuring the radius and visual and tactile examination.	P
6.3.2	Tube ends		P
	This test is a visual inspection of the unit to verify that all tube ends in the accessible hand and foot area are closed off.		P
	The pull-out test shall be performed in a quasi static manner with an appropriate device.		P
6.3.3	Testing of squeeze and shear points and rotating and reciprocating points		P

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Clause	Requirement – Test	Result - Remark	Verdict
	Measure the minimum distance between two moving parts or a moving part and a fixed part.		P
6.3.4	Weights and resistant means		P
	A performance test using the maximum and minimum resistance or weights including added resistance or weights (e.g. incremental weights) shall be carried out over the maximum range of movement.		P
6.3.5	Testing of pull-in points		P
	Apparatus: test finger in accordance with Figure 1. Surface hardness \geq HRC 40 (measured in accordance with ISO 6508-1).		P
	Approach the pull-in point with the test finger probe to determine whether the test finger can become trapped. For non-protected pull-in points measure the pressure perpendicularly to the moving direction in the most onerous position of the mechanism (e.g. the rim of a pulley or the minimum radius of a cam). The test shall be performed with the maximum load. The pressure shall not exceed 90 N/cm ² in any part of the mechanism.		P
6.4	Testing of entrapment		P
	A visual and performance test shall be carried out to determine whether or not the user can become entrapped.	Users don't get entrapped	P
6.5	Adjustment components and locking mechanisms		P
	Perform a visual and functional examination before, during and after every test.		P
6.6	Tensile test for ropes, belts, chains and attachment components	Belts	P
	Measure the tension of the rope, belt or chain as well as the attachment components while statically applying the maximum specified load. Then perform a tensile test, with 6 times the maximum measured tension for the whole functional system.		P

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Clause	Requirement – Test	Result - Remark	Verdict
6.7	Testing of rope and belt guides	Belts	P
	Perform a functional test.		P
6.8	Testing of flywheels		N
6.9	Testing of integral handgrips		N
	Perform a functional test.		N
6.10	Determination of the removing force of applied handgrips		N
	Apply a force of 70 N carefully to the handgrip by means of an appropriate pulling device.		N
6.11	Testing of rotating handgrips		N
	Perform a functional test.		N
6.12	Testing of endurance load	(120±5)KG	P
	Carry out the test as close as possible to normal exercise frequency and free of shocks for:		P
	a) class H 12 000 cycles over 80 % of the possible range of movement;	Meet the requirement	P
	b) class S 100 000 cycles over 80 % of the possible range of movement;		N
	1) with maximum load;		N
	2) in direction of load in accordance with the exercise instructions fixed by a 50 percentile man;		N
	3) with a frequency of movement in accordance with the user's manual.		N
	If the equipment offers multiple exercise stations the test shall be done with all stations and functions as described in the user's manual.		N
6.13	Testing of isometric equipment		N
	Measure the static output force or torque of the body in the position(s) as described in the user's manual and compare this value to the displayed value.		N

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Clause	Requirement – Test	Result - Remark	Verdict
	Perform the test using the following three values:		N
	— minimum;		N
	— maximum;		N
	— a third random value between these two points.		N
6.14	Testing of the heart rate measurement system		N
	Perform a visual test by using the heart rate measurement system.		N
6.15	Testing of the heart rate control mode		N
	Set the equipment to the heart rate control mode with a target of 120 bpm. Operate the product according to the manufacturer's specifications, then use a heart rate simulator or a person to activate the control mode. Cut off the signal and then check if the resistance or the load reduces according to the requirements shown in 5.12. If there are more than one heart rate control system, each system shall be tested.		N
	Test the heart rate indicator by visual testing.		N
6.16	Testing of intrinsic loading		P
	Carry out the test quasi-statically. Apply the load F in the most onerous position when used according to the instructions in the user's manual on a surface area of 300 mm × 300 mm for 5 min on the stationary training equipment.		P
	Only equipment that requires anchoring for normal use shall be fixed during the test.		P
6.17	Testing of extrinsic loading		P

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Clause	Requirement – Test	Result - Remark	Verdict
	Carry out the test quasi-statically. Apply the load F in the most onerous position when used according to the instructions in the user's manual for 5 min on the stationary training equipment. Place the determined load on the equipment as in normal practice and in a position which imposes greatest strain on the equipment.		P
	When the load bearing surface is divided, apply the test load to each part in proportion to the total surface area at the same time.		P
	The load should be applied through a load applicator in a way that simulates the situation that occurs when the equipment is used according to the instructions in the user's manual.		P
6.18	Testing of care and maintenance, assembly instructions, general instructions for use and marking		P
	Verify the information provided by the manufacturer versus the equipment being tested.		P
6.19	Test report		P
	The test report shall include at least the following information:		-
	a) name and address of the testing facility and location where the test was carried out when different from the address of the reporting facility;		P
	b) unique identification of the report (such as serial number), each page, and total number of pages of the report;		P
	c) name and address of the client;		P
	d) description and identification of the test item;		P
	e) date of receipt of the test item and date(s) of the performance of the test;		P
	f) identification of the test specification or description of the method or procedure;		P
	g) description of the sampling procedure, where relevant;		P

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Clause	Requirement – Test	Result - Remark	Verdict
	h) any deviations, additions or exclusions from the test specification, and any other information relevant to a specific test;		P
	i) measurements, examinations and derived results, supported by tables, graphs, sketches and photographs as appropriate, and any failures identified;		P
	j) statement on the measurement uncertainty (where relevant);		P
	k) signature and title or an equivalent marking of person(s) accepting technical responsibility for the test report and date of issue;		P
	l) statement to the effect that the test results relate only to the items tested.		P

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Clause	Requirement – Test	Result - Remark	Verdict
6.	Safety requirements and/or protective measures		P
6.1	General		P
	The equipment shall comply with the safety requirements and/or protective measures of this clause. In addition, the equipment shall be designed according to the principles of EN ISO 12100 for relevant but not significant hazards, which are not dealt with by this document.		P
	Fixed guards shall be fixed by systems that can be opened or removed only with tools.		P
6.2	Squeeze and shear points within the accessible area		P
	All parts of treadmills, including any folding mechanism, shall be in accordance with EN 957-1: 2005, 5.2.3 in folded position, during folding and in usable position. For folding treadmills the lock for securing the equipment is excluded.		P
	Where the inclination can be changed during operation thus causing the distance between any part of the equipment and the floor to become smaller than 60mm the speed of inclination shall not exceed 1°/s and the user shall be able to stop this movement.	Meet the requirement	P
6.3	Transmission elements and rotating parts		P
	Drawing-in shall be prevented at all points between the running surface and fixed or moving parts of the treadmills or the floor.		P
	Identifiable feature(s) indicating the acceptable lateral position(s) of the running surface shall be provided on the treadmill.		P
	When tested in accordance with 7.1, it shall not be possible that the test finger becomes trapped between the rear roller guard and the running surface. With the running surface centred, the rear roller guard shall overlap the edges of the running surfaces by min. 10 mm and max. 40 mm	Meet the requirement	P
	The vertical gap between the running surface and the rear roller guard or overlapping foot rails shall not be more than 9,5 mm.	Meet the requirement	P

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Clause	Requirement – Test	Result - Remark	Verdict
6.4	Temperature rise		P
	When tested in accordance with 7.2, accessible parts of the treadmill shall not have a temperature greater than 65°C	Meet the requirement	P
6.5	Safety stop (emergency stop)		P
5.5.1	general	Test in accordance with 7.3.	P
	All power drive treadmills shall be equipped with a safety stop switch, which shall include a push-button operated switch and/or a pull-cord operated switch.		P
	The push-button type or pull coed safety stop actuator shall be in a reachable position in front of the user and in an area of $\pm 180\text{mm}$ parallel to the centerline of the running surface.		P
	If the push-button type safety stop actuator is outside this area it shall be duplicated on the opposite side except when a pull-cord actuator is provided.		P
6.5.2	Characteristics	Test in accordance with 7.3	P
	Operating the safety stop shall result in the machine cutting off the main power of the motor and the inclination system without relying on any software functions.		P
	The contacts of manually operated safety stop devices shall ensure positive opening. The achievement of contacts separation shall be the direct result of a specified movement of the switch actuator through non resilient members. Emergency stop relays or manually reset fail-safe relays may be used.		P

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Clause	Requirement – Test	Result - Remark	Verdict
	It shall not be possible to restore the circuit the actuator of the safety stop device has been manually reset. After restoring the circuit, the equipment shall restart with standstill and the incline shall stay the same or reset according to 6.2. where several safety stop devices are provided, the circuit shall not be restored until all actuators previously operated have been reset.		P
6.5.3	Actuator(s)	Test in accordance with 7.4	P
	Actuators of safety stop devices shall be coloured RED. The actuator of a push-button operated switch shall be of the palm or mushroom head type and shall have a yellow background.		P
	The background the actuator shall be at least 5 mm wider than the actuator itself on all sides.		P
	Pull-cord safety stop actuators shall release with a maximum force of 50% of the force required to release the attachment device when attached to the user according to the manufacturer's recommendation.		P
	The actuator cord shall have a suitable length so that actuator releases at a position not more than 70% of the length of the running surface.		P
6.6	Immobilization method		P
	For power driven treadmills there shall be an immobilization method for the treadmill to prevent uncontrolled usage of third parties. This method shall be explained in the instructions for use.	Test in accordance with 7.5	P
6.7	Stability		P
	The treadmill shall be stable in both training and storage positions when tested in accordance with 7.6.		P
6.8	Static strength of the running surface		P

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Clause	Requirement – Test	Result - Remark	Verdict
	Classes H, S and I treadmills shall withstand a load four times the maximum user weight specified by the manufacturer or 4 000 N whichever is greater without fracture, cracking or permanent deformation. Verification shall be by testing in accordance with 7.7. The treadmill shall withstand the test in flat, mid and maximum inclination, where inclination is applicable.	Running surface shall show no permanent deformation of more than 3%	P
6.9	Endurance		P
	When tested in accordance with 7.8, the treadmill shall withstand:		P
	a)12000 impacts for class H and		P
	b)10000 impacts for classes S and I.		N
	The test shall not cause any fracture, cracking, or permanent deformation to the treadmill. After the test, the treadmill shall be capable of functioning correctly according to the information given in the user's manual.		P
6.10	Handrails		N
6.10.1	General		N
	Treadmills shall be equipped with two side handrails or with two side handrails and a front handlebar for user support and emergency dismount.		N
6.10.2	Treadmills with side handrails only		N
	The top the side handrails shall be at a height between 800mm and 950mm above the running surface measured vertically, which may not be perpendicular to the running surface at all incline positions.		N
	The distance between the side handrails.	Not exceed 900 mm (inside to inside)	N

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Clause	Requirement – Test	Result - Remark	Verdict
	Each side handrail shall extend beyond line A (see Figure 2). The side handrails shall show no permanent deformation of more than 3% when tested in accordance with 7.9.		N
6.10.3	Treadmills with front handlebar and side handrails		N
	Either the side handrails shall be in accordance with 6.10.2 or the front handlebar shall be at a height between 800 mm and 950 mm above the running surface in any inclination. The front handle bar shall consist of a single grip-able length of minimum 500 mm or two grip-able lengths of minimum 175 mm located symmetrically to the longitudinal axis of the running surface with a minimum distance of 375 mm and a maximum distance of 675 mm from centre to centre.	tested in accordance with 7.9. The side handrails and the front handlebar shall show no permanent deformation of more than 3 %	N
6.11	Foot rails	Equipped with foot rails	P
	The foot rails shall be a minimum length of 70 % of the length of the running surface / and have a minimum width of 80 mm.		P
	The foot rails shall cover at least 25 % of the length of the running surface / in front of line A and at least 45 % of the length of the running surface / behind line A. The upper surface of the foot rails shall have a minimum width of 70 mm, They shall have a slip resistant upper surface over minimum 70 % of the exposed length of the foot rail. The slip resistant surface shall have a coefficient of friction in the most onerous direction of more than 0,5, when tested in accordance with ISO 5904."	When tested in accordance with 7.10, the foot rail shall not break	P
	The attachment of the side handrails to foot rails shall avoid a trip hazard."		P
6.12	Running surface	Test in accordance with 7.11 This requirement is only applicable for classes S and I.	P

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Clause	Requirement – Test	Result - Remark	Verdict
	Permanent marking in a contrasting colour is required on the running surface to determine if the belt is either moving or stationary. At least one marking shall be completely visible in any position of the running surface.		P
	The markings on the running surface shall have a length between 150 mm and 450 mm and a width between 50 mm and 100 mm.		P
6.13	Acceleration		P
	For motorized treadmills, the initial starting speed of the running surface shall not exceed the speed given in Table 2. The acceleration of the running surface, with the treadmill in an unloaded condition, shall not exceed 0,9m/s ²	Test in accordance with 7.12.	P
6.14	Heart rate control mode	Test in accordance with 7.13.	N
	If a heart rate control mode is incorporated into the treadmill, the function of the heart rate system shall be indicated on the display,		N
	The loss of heart rate signal shall result in speed remaining at the same level for maximum 60 s and then decrease until the minimum speed is reached. The rate of decrease shall be at least 0,014 m/s ² (1 km/h in 20 s).		N
6.15	Folding treadmills	Test in accordance with 7.14	N
	A folding treadmill shall be equipped with a safe locking system to keep it in a folded position where the running surface is designed to be folded up for storage.		N
	A folding treadmill shall be equipped with a safe locking system to keep it in the useable position when the console is designed to be folded down when stored.		N
	The folding portion shall not be capable of reaching a stable position of equilibrium before being locked.		N
	The maximum vertical handling force shall be less than 150 N.		N

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Clause	Requirement – Test	Result - Remark	Verdict
	If there is stored energy, e.g. compressed gas spring, in the packaged position or in folded position, a safety device to avoid inadvertent release of the stored energy shall be provided.		N
6.16	Noise	in accordance with 7.16	P
6.17	Electrical safety	Meet EN 60335-1	P
	The running surface or the incline mechanism shall not restart automatically after an interruption of the power supply.		P
6.18	Additional classified requirements	Classes C	P
6.19	Additional warning label		P
	a warning label with the following content shall be attached: "WARNING! Heart rate monitoring systems may be inaccurate. Over exercising may result in serious injury or death. If you feel faint stop exercising immediately".		P

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Clause	Requirement – Test	Result - Remark	Verdict
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7.	Verification of the safety requirements and/or protective measures		P
7.1	Testing of transmission elements and rotating parts	Set the treadmill speed at (3 ± 0,5) km/h.	P
	Try to insert the test finger in all drawing-in points at least between the:	The test finger shall not be trapped.	P
	a) running surface and the rear roller guard;		-
	b) running surface and the rear roller;		-
	c) running surface and the running deck.		-
7.2	Testing of temperature rise	During the testing in 7.8, check the temperature	P
	— after 30 min for class H and		P
	— after 60 min for class S.		N
7.3	Testing of the safety stop		P
	Measure the position of the safety stop according to 6.5.1 and perform a visual inspection and a functional test."		P
7.4	Testing of the actuator(s)		P
7.5	Testing of immobilization method		P
7.6	Stability test		P
7.6.1	Test in training position		P
7.6.2	Test in folded position		N
7.6.3	Testing of the foot rail support system		P
7.7	Load testing of running surface	duration (60 ± 5) s.	P
7.8	Testing of endurance	12000 times, 8 ± 1km/h	P
7.9	Testing of side handrails/front handlebar	side handrails	N
7.10	Testing of foot rails		P

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Clause	Requirement – Test	Result - Remark	Verdict
7.11	Testing of the running surface		P
7.12	Testing for the acceleration		P
7.13	Testing of the heart rate control mode	6 km/h , 0 % inclination	N
7.14	Testing of the folding treadmills		N
7.14.1	Inadvertent release when packaged		N
7.14.2	For treadmills where the running surface is designed to be folded up when stored		N
7.14.3	For treadmills where the console is designed to be folded down when stored		N
7.14.4	Testing the maximum handling force		N
7.15	Testing of the accuracy of time, speed and distance indications	classes C over a time of 30 min, maximum speed	P
7.16	Noise testing	Speed of the running surface of 8km/h for class H equipment in an unloaded situation	P

7.	Test report		P
	The test report shall include at least the following information:		P
	a) Name and address of testing facility and location where the test was carried out;		P
	b) Unique identification (such as serial number), page number, and total number of pages of the report on each page;		P
	c)a reference to this European Standard;	EN 957-6	P
	d)name and address of client;		P
	e)description and identification of the test item;		P
	f)date of receipt of test item and date(s) of performance of test;		P

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Clause	Requirement – Test	Result - Remark	Verdict
	g)identification of the test specification or description of the method or procedure;		P
	h)description of sampling procedure(where relevant);		P
	i)any deviations, additions or exclusions from the test specification, and any other information relevant to a specific test;		P
	j)measurements, examinations and derived results, supported by tables, graphs, sketches and photographs as appropriate, and any failures identified;		P
	k)a statement on measurement uncertainty(where relevant);		P
	l)a signature and title or an equivalent marking of person(s) accepting technical responsibility for the test report and date of issue;		P
	m) a statement to the effect that the test results relate only to the items tested.		P

9.	Marking		P
	In addition to the marking requirements of EN 957-1, motor driven treadmills shall be marked visibly, legibly and indelibly with the following minimum particulars:		-
	a) the year of construction, that is the year in which the manufacturing is completed;	2024	P
	b) the designation of the machinery;	Walking pad treadmill	P
	c) the marking required by legislation.		P

10.	Additional instructions for use		P
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Clause	Requirement – Test	Result - Remark	Verdict
	In addition to EN ISO 20957-1 easy-to-understand instructions for use shall be supplied with each treadmill. The instructions for use shall include information on at least the following points, depending on the class:	See user's manual	-
	a)maximum user weight;	120 kg	P
	b)description and function of the immobilization method;		P
	c)emergency dismount;		P
	d)the function of the safety stop;		P
	e)safety area of 2000mmx1000mm behind the equipment;		P
	f)method of adjusting the tension and the lateral position of the running surface;		P
	g)maximum allowed running surface lateral positions with reference to the marking displayed on the product;		P
	h)operation of the folding mechanism and locking system;		N
	i)when equipped with a pull-cord safety stop, an instruction on how to use, attach and test the pull-cord safety stop is required.		N
	j) if the heart rate is displayed a warning with the following content shall be given: "WARNING! Heart rate monitoring systems may be inaccurate. Over exercising may result in serious injury or death. If you feel faint stop exercising immediately";		N
	k) suitable information about replacement parts that could affect the safe use of the treadmill;		P
	l) if applicable, the value of the A-weighted emission sound pressure level at the trainer's ear;		N
	m) the following statement: "Noise emission under load is higher than without load"		P

Appendix 1

The whole view of 'Walking pad treadmill'

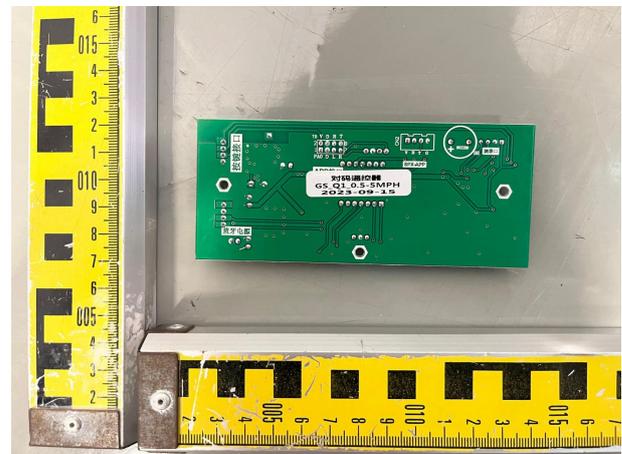
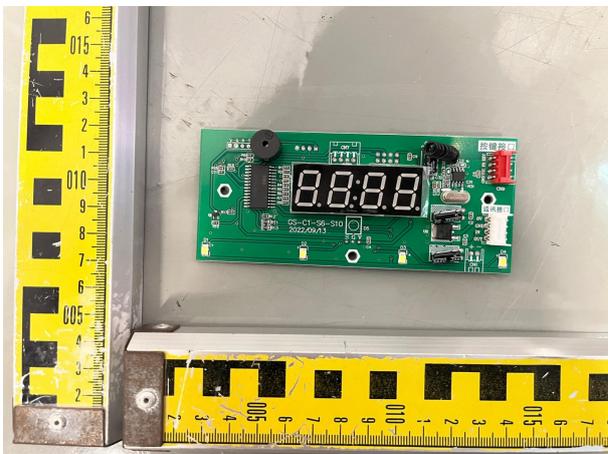
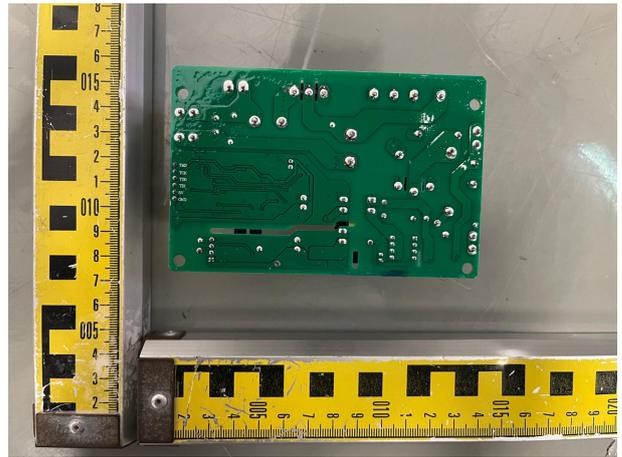
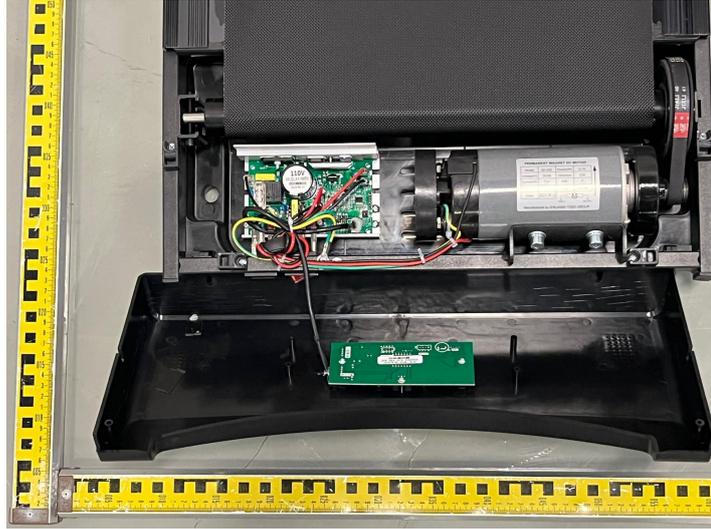
Model: Q1



Appendix 2

The inner and PCB view of 'Walking pad treadmill'

Model: Q1



-----End of Report-----