



SAFETY TEST REPORT

MEASUREMENT AND TEST REPORT For

SHANGHAI EASTERN YANRE FITNESS EQUIPMENT CO., LTD.
301, No.581, XINJINQIAO RD, PUDONG NEW AREA, SHANGHAI, CHINA

Models: See page 2

July 27, 2021

This Report Concerns: <input checked="" type="checkbox"/> Original Report	Equipment Type: FITNESS EQUIPMENT
Test Standard: <u>EN ISO 20957-1-2013, EN 957-2-2003</u>	
Report Number: <u>CCTS210723001SX</u>	
Test Date: <u>July 23-27, 2021</u>	
Test category: <u>Consignment test</u>	
Prepared By: Shenzhen CCTS Quality Certification Co. Ltd. Room 301&313, No. 20 Of Xinhe Road, Xinqiao Street, Baoan District, Shenzhen, China Tel: 4008-078-685 E-mail: service@ccts-lab.com Web: www.ccts-lab.com	

Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior written consent of CCTS.

TEST REPORT EN ISO 20957-1-2013 Stationary training equipment - Part 1: General safety requirements and test methods EN 957-2-2003 Stationary training equipment - Part 2: Strength training equipment, additional specific safety requirements and test methods	
Report reference No.	: CCTS210723001SX
Date of issue.....	: July 27, 2021
Testing laboratory	
Name.....	: Shenzhen CCTS Quality Certification Co. Ltd.
Address.....	: Room 301&313, No. 20 Of Xinhe Road, Xinqiao Street, Baoan District, Shenzhen, China
Test location	: (Same as above)
Client	
Name.....	: SHANGHAI EASTERN YANRE FITNESS EQUIPMENT CO., LTD.
Address.....	: 301, No.581, XINJINQIAO RD, PUDONG NEW AREA, SHANGHAI, CHINA
Test specification	
Standard.....	: EN ISO 20957-1-2013, EN 957-2-2003
Test procedure.....	: CE-GPSD
Procedure deviation.....	: N.A.
Non-standard test method..	: N.A.
Test item	
Description	: FITNESS EQUIPMENT
Model No.	: 61A01, 61A01A, 5501, 61A02, 61A03, 61A04, 61A04A, 61A07, 5502, 61A09, 61A10, 61A11, 61A12, 5504, 61A13, 61A14, 61A15, 61A15A, 5506, 61A16, 61A16A, 61A17, 61A18, 5508, 61A18A, 61A19, 61A20, 61A21, 61A21A, 61A22, 61A23, 61A60, 61A24, 61A25, 61A25A, 61A26, 5509, 61A28, 61A30, 61A31, 5511, 61A32, 61A32B, 61A33, 61A34, 61A37, 61A38, 61A39, 61A40, 61A41, 61A42, 61A43, 61A45, 61A45A, 61A46, 61A46B, 61A47, 61A51, 61A53, 61A53A, 61A54, 61A55, 61A57, 8502, 8504, 6280, 6280A, 6280B, 6280C, 5336, 5348
Trademark.....	: YANRE
Manufacturer.....	: SHANGHAI EASTERN YANRE FITNESS EQUIPMENT CO., LTD.
Address.....	: 301, No.581, XINJINQIAO RD, PUDONG NEW AREA, SHANGHAI, CHINA
Possible test case verdicts:	
- test case does not apply to the test object: N (Not applicable)	
- test object does meet the requirement: P (Pass)	
- test object does not meet the requirement: F (Fail)	

Testing:

Date of receipt of test item: July 23, 2021
 Date (s) of performance of tests: July 23-27, 2021
 Sample appearance and function are in normal condition, yes or no.....: Yes
 Ambient temperature.....: 24.1 °C
 Ambient humidity.....: 66%

General remarks:

The test results presented in this report relate only to the object tested.
 This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. Laboratory CCTS. The authenticity of this Test Report and its contents can be verified by contacting CCTS, responsible for this Test Report.
 "(see Enclosure #)" refers to additional information appended to the report.
 "(see appended table)" refers to a table appended to the report.
 Throughout this report a ☐ comma / ☒ point is used as the decimal separator.

General product information:

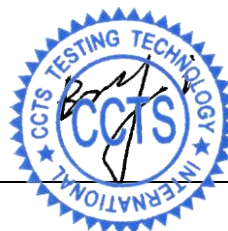
-Instructions and equipment marking related to safety is applied in the language that is acceptable in the country in which the equipment is to be sold.

Summary of testing:

The submitted sample were tested and found to compliance with requirements of the standards
 EN ISO 20957-1-2013, EN 957-2-2003

Testing procedure and testing location

Laboratory name..... : Shenzhen CCTS Testing Technology Co., Ltd.
 Testing location/address: : Room 301&313, No. 20 Of Xinhe Road, Xinqiao Street, Baoan District, Shenzhen, China
 Testing procedure : TL ☒ RMT ☐ SMT ☐ WMT ☐ TMP ☐
 : Aiden
 Tested By
 (Test Engineer) *Aiden*
 : Long Dai
 Reviewed By
 (Supervisor) *Long Dai*
 : Billy Yi
 Approved By
 (Chief Engineer)



EN ISO 20957-1-2013			
Clause	Requirement + Test	Result - Remark	Verdict
5	Safety requirements		P
5.1	General		P
5.2	Stability of equipment		P
	The stationary training equipment shall be stable in any direction, in training, folding and storage 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 $r \geq 2,5$ mm.		P
	All other edges of components which are accessible to the user or to third parties shall be free of burrs, rounded or protected.		P
5.3.2	Tube ends		P
	When tested in accordance with 6.3.2, accessible tube ends shall be closed off, e.g. by parts of the equipment or by plugs.		P
5.3.3	Squeeze and shear points within the accessible hand and foot area		P
	Squeeze and shear points between moving parts, 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 60 mm, except as follows:		P
	a) if only the fingers are at risk, the dimension shall be at least 25 mm;		N
	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;		N
	c) if the angle between two adjacent moving parts or between a rigid part and an adjacent moving part is always 50 degrees or greater, it is not considered a shear point;		N
	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.		P
5.3.4	Squeeze and shear points as well as rotating and reciprocating points in the accessible hand and foot area		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;		N

EN ISO 20957-1-2013			
Clause	Requirement + Test	Result - Remark	Verdict
	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;		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.		N
5.3.5	Weights and resistant means		P
	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.		P
	Weights and resistant means with stored energies (e.g. bungee cords, elastic tubes, mechanical springs) shall move freely and return to the starting point.		P
	Entrapment of the user		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		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
5.6	Ropes, belts, chains and attachment components		P
5.6.1	General		P
5.6.2	Ropes and belts		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
5.6.3	Rope and belt guides		P
	A means shall be provided to prevent a rope or a belt becoming unintentionally disengaged during use or set-up.		P
5.7	Pull-in points		
	Pull-in points of rope or belt drives up to 1 800 mm height shall be protected except if the surface pressure is $\leq 90 \text{ N/cm}^2$ or when access to the pull-in point is prevented by the user's body during exercising.		
5.8	Hand grips		

EN ISO 20957-1-2013			
Clause	Requirement + Test	Result - Remark	Verdict
5.8.1	Integral handgrips		P
	Gripping positions shall be easily identifiable and designed to reduce slipping (e.g. textured, coated, knurled).		P
5.8.2	Applied handgrips		P
	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.		P
5.8.3	Rotating handgrips		P
	Rotating handgrips shall be secured during use and shall be designed to reduce slipping (e.g. textured).		P
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.		P
5.10	Isometric test requirements		P
	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.		P
5.11	Heart rate measurement system		P
	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.		P
5.12	Heart rate control mode		P
	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.		P
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		P
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

EN ISO 20957-1-2013			
Clause	Requirement + Test	Result - Remark	Verdict
5.14.2	Extrinsic loading		P
	After the test the equipment shall not be broken and shall still function as intended by the manufacturer.		P
5.15	Care and maintenance		P
	Care and, if applicable, maintenance advice shall be provided with each piece of equipment. The advice shall include at least:		P
	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		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
5.17	General instructions for use		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.		P
	a) Customer service address.		P
	b) Full address of the manufacturer or importer.		P
	c) Indication of field of application (e.g. indoor use, explanation of the usage class).		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

EN ISO 20957-1-2013

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.		P
	h) Instruction on how to safely use access and escape assist means.		P
	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).		P
	m) Indication of the maximum user body mass.		P
	n) Indication of the maximum training mass, if applicable.		P
	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".		P
5.18	Marking		P
	Stationary training equipment shall be permanently marked with the following minimum information:		P
	a) name or trademark and full address of the manufacturer, supplier or importer;		P
	b) maximum body mass of user and the maximum training mass for the individual exercise stations		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;		P
	d) individual code number (which contains information about type and year of manufacture);		P
	e) graphical symbol or written information in the national language(s) instructing the user to read the information supplied by the manufacturer;		P

EN ISO 20957-1-2013			
Clause	Requirement + Test	Result - Remark	Verdict
	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.		P

EN 957-2-2003			
Clause	Requirement + Test	Result - Remark	Verdict
5	Safety requirements		P
5.1	General		P
5.2	Loading		P
5.2.1	Intrinsic loading		P
	When tested according to 6.2, supports (e. g. load bearing surfaces) shall not be deformed by more than $f = 1 / 100$, cantilever supports (cantilever surfaces) by more than $f = 1 / 150$ and other dimensions by more than 1 %. The training equipment shall not break when a static load of 4 times the bodymass is applied.		P
5.2.2	Extrinsic loading		P
5.2.2.1	Class H		P
5.2.2.2	Class S		N
5.3	Endurance load		P
	When tested according to 6.4, the training equipment shall be capable of normal function.		P
	When the training equipment consists of two or more separate functional units, each shall withstand the endurance load test.		P
	When more than one function is tested, which involve use of common components e.g.: ropes, pulleys and bearings, these can be replaced before each separate test.		P
5.4	Stacked weights		P
5.4.1	Access to squeeze and/or shear points		P
5.4.1.1	General		P
	The uncontrolled access by third parties to squeeze and/or shear points of stacked weights shall be prevented.		P
5.4.1.2	Class H		P
5.4.1.3	Class S		N
5.5	Weight disks		P
	The maximum load ability of each weight support shall be indicated on the machine. Locking mechanisms shall be provided according to 5.4 of EN 957-1 :1 996 which prevent weight disks from falling off. Methods of attachment or loading of other forms of resistance (e.g. elastic cords, springs) shall comply with 5.4 of EN 957-1 :1 996. Test in accordance with 6.1 .2 and 6.1 .4.		P
5.6	Minimum achievable training loads		P

EN 957-2-2003

Clause	Requirement + Test	Result - Remark	Verdict
	Machines which perform following biomechanical functions should meet the minimum torque values shown in Table 1 .		P

Appendix
Photo documentation

Photo 1

View:

☒ front☐ rear☐ right side☐ left side☐ top☐ bottom☐ internal

*****End of this report*****