

TEST REPORT

APPLICANT : HANGZHOU XINGUANG BICYCLE INDUSTRY CO., LTD

ADDRESS : 72-1 Zha Shang, Taoyuan Village, Puyang Town, Xiaoshan District, Hangzhou City, Zhejiang Province, China

SAMPLE DESCRIPTION : FOOT SCOOTER

TEST ITEM NO. : 371-019BK

REFERENCE NO. : 371-019BU、371-019GN、371-019YL、371-028BK、371-028PK

AGE REQUESTED ON APPLICATION FORM : 5+

SAMPLE RECEIVED DATE : 14-May-2024

FURTHER INFORMATION DATE : 29-May-2024

TURN AROUND TIME : 14-May-2024 to 30-May-2024

The reference item(s) has not been tested in current report, but according to applicant's request, the item number has also been included.

The following test item(s) was/were performed on submitted sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Roller sports equipment- Kick scooters- Safety requirements and test methods	EN 14619:2019	PASS

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.



Chen Lin, Rain
Deputy Regional Director
Hardlines Division



Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to info.sh@cpt.eurofinscn.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to info.sh@cpt.eurofinscn.com and referring to this report number.



TEST SAMPLE PHOTO(S)



A (371-019BK)

EFW524052885-CG-01

REFERENCE SAMPLE PHOTO(S)

	
371-019BU	371-019YL
	
371-019GN	371-028BK
	
371-028PK	

The reference sample(s) has not been tested in current report, but according to customer's request, the picture has also been included. For sample tested in current report, please refer to "Test sample photo".

TO BE CONTINUED

TEST RESULT

EN14619:2019 Roller sports equipment- Kick scooters- Safety requirements and test methods

1. Number of Tested Sample: 2 Pieces
2. Classification: Class A
3. Test result: details as following tables:

Clause	Test item	Test requirement	Rating
4.3	Requirements		
4.3.1	Protruding components and edges	Protruding components and edges that can come into contact with body parts during normal use shall be constructed in such a way as to prevent injury or deburred. The test shall be carried out according to 5.9 Rigid and protruding parts that may cause entrapment or injuries shall be protected. This protection shall not come loose during tests performed according to Clause 5. The ends of the handles shall be covered. To prevent from injuries, ends of handlebar have to withstand the test according to 5.4, Figure 3, and remain free of sharp edges.	PASS
4.3.2	Parts moving against each other		
4.3.2.1	General	The requirements specified in 4.3.2.2 to 4.3.2.5 shall be tested according to 5.9	PASS
4.3.2.2	Distance between the parts		
4.3.2.2.1	General	Below requirements do not have to be considered if the customer acts intentionally close to and directly on the component and hurts himself. Then the injury would be caused by his own strength and could be stopped by himself immediately.	PASS
4.3.2.2.2	Class A	The distance between accessible moveable parts shall be either smaller than 5 mm or wider than 18 mm in any position. This requirement does not apply to the wheels/spokes/wheel support system or the braking/rear brake system, if provided.	PASS
4.3.2.2.3	Class B	a) The space between moving elements, capable of injuring fingers, shall also allow a 12 mm rod to be inserted if it allows a 5 mm rod to be inserted. b) Accessible openings in moving elements capable of shearing a finger shall not allow the insertion of a 5 mm rod. This requirement does not apply to the wheels/spokes/wheel support system or the braking/rear brake system, if provided.	N/A
4.3.2.3	Folding mechanism	Any folding mechanism shall be designed to fix the kick scooter for use in a simple, rigid and safe way. It shall resist all tests without damage. Fixing components should not have contact with the front wheel in any position. An inadvertent unlocking of the mechanism shall be impossible. If the distance as specified in 4.3.2.2 is not met, other designs to protect the user from unintentional injuries shall be provided	N/A
4.3.2.4	Sliding mechanism others than the steering system	Sliding mechanisms shall be protected against unintentional opening or collapse during normal use.	N/A
4.3.2.5	Springs	Springs shall not be accessible if the gap between two consecutive spirals could be allowed a 5 mm diameter rod to insert up to a 10 mm depth.	PASS

TO BE CONTINUED

TEST RESULT

Clause	Test item	Test requirement	Rating
4.3.3	Steering system	The steering system shall be constructed: a) to avoid contact between wheels and other parts of the kick scooter during usual riding; b) that the length adjustment fixing avoids unintentional opening; For class B, the height shall be adjustable with the use of a tool or have at least one main locking device and one secondary locking device of which at least one shall automatically be engaged when the height is adjusted. c) that the steering column, if it is sliding, shall be adjusted for height, and have a permanent mark that indicates the minimum insertion depth of the column; this mark shall be positioned at a distance equivalent to and not less than two and a half times the diameter of the column and shall not affect its strength; d) that the end of the handlebar is equipped with hand grips or plugs, which withstand a tensile load of 70 N in the loosening direction. When tested according to Clause 5, there shall be no break or functional damage of the steering system.	PASS
4.3.4	Deck	The deck shall resist all tests specified in Clause 5 without any functional damage. It shall be equipped with an anti-slide surface with an area of at least 200 cm ²	PASS
4.3.5	Bearings	The bearings shall be designed in such a way as to be functional after performing all the tests according to Clause 5. They shall be constructed in such a way as to permit servicing according to the information supplied by the manufacturer without impairment of their operational safety.	PASS
4.3.6	Axles	The axles shall be attached and designed in such a way as to ensure that they cannot become loose, displaced or deformed during use. The wheels shall be secured on the axles against unintentional loosening. These requirements are considered to be fulfilled if the axles are not loosened, deformed or displaced to such an extent as to impair proper functioning, and the wheels have not become loose after the tests according to Clause 5.	PASS
4.3.7	Wheels	The wheels shall be constructed from non-slip material. This requirement is considered to be fulfilled if a coefficient of adhesion, μ_0, of at least 0,30 is achieved in the test according to 5.3. After the tests according to Clause 5, the wheels shall not show tearing. They shall not have further loosened or been deformed to the extent that there exists a risk of their becoming locked. If a rear wheel and its axle differ from those at the front, they shall be tested according to 5.7 in an adapted way. The diameter of the front wheel(s) on class B kick scooters shall be 120 mm or greater.	PASS
4.3.8	Self-locking fixings	Where self-locking nuts are used, the entire thread, including the locking section, shall be in contact with the bolt. Self-locking nuts and other self-locking fixings that are loosened several times for the purpose of modification or servicing shall be suitable for this purpose.	PASS
4.3.9	Mechanism to reduce the speed	If a kick scooter is equipped with a mechanism to reduce the speed, this mechanism shall continue to make contact with the surface to which it is intended and no fastening devices shall have loosened when tested according to Clause 5. The mechanism shall effectively and smoothly reduce the speed without coming to an abrupt stop.	PASS

TO BE CONTINUED

TEST RESULT

Clause	Test item	Test requirement	Rating
4.3.10	Strength	All functional parts after testing according to Clause 5 shall not collapse or fail to comply with the relevant requirements specified in this European Standard..	PASS
6	Marking		
6.1	On the kick scooter	Each kick scooter shall be legibly and durably marked with the following: a) name, trade mark or other means of identification of the manufacturer, or his authorized representative within the European Union, or the importer; b) means of identification of the model; c) warning text "Read the information supplied by the manufacturer" or a graphical symbol d) maximum weight: 100 kg for class A and 50 kg for class B; e) warning text: "Wear personal protective equipment" or the mandatory action sign "Wear personal protective equipment"	PASS
6.2	On the package	The following information shall be provided on the package: a) all information given on the kick scooter (see 6.1); b) number of this European Standard and class of kick scooter.	PASS
7	Information supplied by the manufacturer		
7.1	General	All kick scooters shall be supplied with information supplied by the manufacturer. This document shall contain, in text or picture form, at least the information in accordance with 7.2 and 7.3 as well as the information given in Clause 6.	PASS*
7.2	Instruction for use	The following shall be included: a) advice to the user to check the limitation of use according to regulations of road safety; b) recommendations regarding or descriptions of suitable surfaces (flat, clean, dry and where possible away from other road users); c) use of at least the following protective equipment: hand/wrist, knee, head and elbow protection; d) instruction to check that the steering system is correctly adjusted and that all connection components are firmly secured and not broken; e) description of the correct techniques for use and for braking; f) advice on making ready for use in order to avoid pitching or entrapment; g) always wear shoes;; h) do not ride in the darkness; i) mechanism to reduce speed will get hot from continuous use, do not touch after braking.	PASS*
7.3	Servicing and maintenance instructions	Clear advice stating that regular maintenance enhances the safety of the kick scooter. This includes: a) note regarding bearing maintenance; b) replacement of wheels, if applicable; c) no modifications other than to the manufacturer's instructions shall be made; d) note indicating when self-locking nuts and other self-locking fixings may lose their effectiveness.	PASS*

Note: N/A=Not applicable

* =The artwork was provided

The test item(s) was/were subcontracted to Eurofins internal lab.

END OF THE REPORT