

Test Report

No.: GZHG1205014077SP

Date: Aug. 29, 2012

Page 1 of 4

FOSHAN CITY SENHAI SPORTING GOODS CO., LTD
NO. 11 XINHUI ROAD, SHUNDE INDUSTRIAL ZONE, WUSHA DALIANG SHUNDE DISTRICT,
FOSHAN, GUANGDONG 528300 CHINA

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : IN LINE SKATE
Style / Item No. : PW-126D
Test Performed : Selected test(s) as requested by applicant
Sample Receiving Date : May 24, 2012
Sample Resubmission Date : Aug. 24, 2012
Test Performing Date : May 24, 2012 to Aug. 28, 2012
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Co., Ltd.



William Cao
Approved Signatory

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Test Conducted:

Refer to EN 13843: 2009 Roller sports equipment-Inline-skates-Safety requirements and test methods

1. Scope:
This standard applies to inline-skates intended for users with a body mass of more than 20kg and less than 100kg. It specifies safety requirements for inline-skates, specifications for test methods, marking and information supplied by the manufacturer to reduce the risk of injuries to both third parties and the user during their normal use.
2. Number of Test Specimen : 2 pairs (Sample Size: EU28-31)
Identified As Class: Class B
Class A : inline-skate intended for use by a rider mass of more than 20kg up to 100kg
Class B : inline-skate intended for use by a rider mass of more than 20kg up to 60kg and a length of the foot of no more than 260mm.
3. Test Result: Details Shown As Following Table:

Clause	Test Items	Result/Note
4.3	Safety requirement	
4.3.1	Protruding components and edges - All protruding components and edges that can come into contact with body parts during normal use shall be deburred or constructed in such a way as to prevent injury.	Pass
4.3.2	Binding elements - Binding elements shall prevent unintentional disconnection from the use's foot. - The correct functioning of the inline-skate is not impeded by broken, disconnected or loosened binding elements after the tests according to clause 5.	Pass
4.3.3	Chassis	
4.3.3.1 (Mod)	General - The chassis shall be attached to the shoe in such a way as to be secure against unintentional loosening. - The correct functioning of the inline-skate is not impeded by broken, disconnected or loosened binding elements after the tests according to clause 5.	Pass* (See Remark)
4.3.3.2	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
4.3.3.3	Wheels The wheels shall be constructed from non-slip material. This requirement is considered to be fulfilled if a coefficient of adhesion u_0 of least 0.30 is achieved in the test according to 5.4.3. After the tests according to clause 5, the wheels shall not show tears. They shall further not have loosened or be deformed to the extent that a risk of their becoming blocked exists.	Pass
4.3.3.4	Bearings The bearings shall be laid out in such a way as to be functional after the tests according to clause 5. They shall be constructed in such a way as to permit servicing according to the user information without impairment of their operational safety.	Pass

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Clause	Test Items	Result/Note
4.3.4	<p>Starting and/or braking devices</p> <ul style="list-style-type: none"> - If an inline-skate is equipped with a starting and / or braking device, this device shall be unbreakable and secured against loosening. It shall not cause an unintentional impediment of the inline-skates' motion. - there should be not caused a noticeable loosening of it after test according to clause 5. - The clearance between the starting and /or braking device and the ground is at least 7mm but not more than 17mm. 	Pass
4.3.5	<p>Self-locking fixings</p> <ul style="list-style-type: none"> - the user information shall indicate, when self-locking nuts and other self-locking elements can loose their effectiveness. - Where self-locking nuts are used, the entire thread, including the locking section, shall be in contact with the bolt. 	Pass
6	<p>Marking</p> <ul style="list-style-type: none"> a) the number of this European standard; b) the name, trademark or other means of identification of the manufacturer or retailer; c) means of identification of the model; d) maximum weight limit or indication of the class(A or B). If the maximum weight is not marked this shall be given in the package. 	Pass
7	Information supplied by the manufacturer	
7.1	<p>General</p> <ul style="list-style-type: none"> - Easily understood information supplied with each pair of inline –skates. 	Pass
7.2	Contents	
7.2.1	<p>General</p> <p>The information supplied by the manufacturer shall be contain, in test or picture form, at least the information in accordance with 7.2.2, 7.2.3, 7.2.4 and 7.2.5</p>	Pass
7.2.2	<p>Information about the construction of the inline-skate</p> <ul style="list-style-type: none"> a) Note to the effect that no modifications shall be made that can impair safety. b) Note indicating, if applicable, that the inline-skates do not contain s starting and /or braking device. c) Note indicating if self-locking nuts and other self-locking fixings may loose their effectiveness. 	Pass
7.2.3	<p>Instructions for use</p> <ul style="list-style-type: none"> a) Notes concerning limitations of use according to the Road Traffic Act and recommendations regarding or descriptions of suitable surfaces (flat, clean, dry and where possible away from other road users) b) Warning that the user should always wear protective equipment (hand/wrist protection, knee protection, head protection and elbow protection) and reflective device. c) Instruction to check that the inline-skate's steering mechanism. If present, is correctly adjusted and that the connective components are firmly secured. d) Description of the correct techniques for use and for braking. 	Pass

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Clause	Test Items	Result/Note
7.2.4	Servicing and maintenance instructions a) note regarding the different properties of the various bearing constructions and their maintenance; b) replacement of wheels and buffers and parts of the braking device (where possible or present); c) lubrication of the bearings; d) steering adjustment; e) note to remove any sharp edges created through use; f) running checks	Pass
7.2.5	Inline-skate's class The class including the explanation in 4.2 is to be stated.	Pass

Remark: A rigid-plate was Assemble against the wheels of the test sample when the Horizontal frontal impact against the front wheel was carried out, for the detail please refers to the photo appendix Frontal Impact.

Photo Appendix:



Sample As Received



Frontal Impact

End of Report

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