

## TEST REPORT

Mechanical & Hardgoods Lab

Report No. : HLN0169A/2010

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Date : JAN. 31, 2011

### FOSHAN CITY SENHAI SPORTING GOODS CO.,LTD

NO.11 XINHUI ROAD,SHUNDE INDUSTRIAL ZONE, WUSHA DALIANG SHUNDE DISTRICT,  
FOSHAN GUANGDONG PROVINCE 528300 P.R. CHINA

The following merchandise was submitted and identified by the applicant as:

Product Description: Inline skate  
Style/Item No.: PW-126B SERIES

We have tested the submitted sample(s) as requested and the following results were obtained:

**Test Requested:** For compliance with EN 13843:2009 - Roller sports equipment-  
Inline-skates-Safety requirements and test methods.

### **Test Methods & Results:**

--- Please See Attached Sheet ---

**Classification of Inline-skates:** Class B

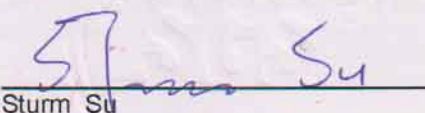
**Conclusion:** In our opinion, the submitted sample complies with EN 13843:2009-Roller sports  
equipment-Inline-skates- Safety requirements and test methods.

**Testing Period:** NOV. 10, 2010 ~ NOV. 19, 2010  
JAN. 28, 2011

**Note:** 1. Last size: No. 32

2. Environment of the Lab: Temperature: 23.9°C, Humidity: 52%

Signed for and on behalf of  
SGS Taiwan Ltd.

  
Sturm Su  
Asst. Supervisor

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### Test Results:

*EN 13843:2009 - Roller sports equipment-Inline-skates- Safety requirements and test methods.*

### Clause

### Results

#### 4.2 Classification of inline-skates

##### 4.2.1 Class A

N/A

Inline-skates intended for use by a user mass of more than 20 kg up to 100 kg.

##### 4.2.2 Class B

Pass

Inline-skates intended for use by a user mass of more than 20 kg up to 60 kg and a length of the foot of no more than 260 mm.

#### 4.3 Safety Requirements

##### 4.3.1 Protruding components and edges

Pass

All protruding components and edges on the inline-skate that can come into contact with body parts during normal use shall be deburred or constructed in such a way as to prevent injury.

The test is carried out according to 5.4.2.

##### 4.3.2 Binding elements

Pass

Binding elements shall prevent unintentional disconnection from the user's foot. This requirement is considered to be fulfilled if the correct functioning of the inline-skate is not impeded by broken, disconnected or loosened binding elements after the tests according to Clause 5.

##### 4.3.3 Chassis

###### 4.3.3.1 General

Pass

The chassis consists of one or more supports, axles, wheels, bearings and fixings. It shall withstand the impact loads, the constant load and the static load to which it is exposed during use. The chassis shall be attached to the shoe and/or shoe mounting in such a way as to be secured against unintentional loosening. These requirements are considered to be fulfilled if the correct functioning of the inline-skate is not impeded by broken, disconnected or loosened binding elements after the tests according to Clause 5.

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### Test Results:

**EN 13843:2009 - Roller sports equipment-Inline-skates- Safety requirements and test methods.**

### Clause

### Results

#### 4.3.3.2 Axles

#### Pass

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.

#### 4.3.3.3 Wheels

#### Pass

The wheels shall be constructed from non-slip material. This requirement is considered to be fulfilled if a coefficient of adhesion  $\mu_0$  of at least 0,3 is achieved in the test according to 5.4.4.

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.

#### 4.3.3.4 Bearings

#### Pass

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.

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### Test Results:

*EN 13843:2009 - Roller sports equipment-Inline-skates- Safety requirements and test methods.*

### Clause

### Results

#### 4.3.4 Starting and/or braking devices

#### Pass

If an inline-skate is equipped with a starting and/or braking device, this device shall be unbreakable and secured against accidental loosening. It shall not cause an unintentional impediment of the inline-skates' motion.

These requirements are considered to be fulfilled if the test according to Clause 5 did not cause a noticeable loosening of the starting and/or braking device.

The clearance between the starting and/or braking device and the ground is required to prevent unintentional braking. This requirement is considered to be fulfilled, if this clearance is at least 7 mm but not more than 17 mm.

#### 4.3.5 Self-locking fixings

#### Pass

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. The user information shall indicate if self-locking nuts and other self-locking elements can lose their effectiveness.

#### 6. Marking

#### Pass

#### 7. Information supplied by the manufacturer

#### Pass

N/A = Not Applicable

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- Picture page -



Photo "A": Appearance of the sample

--- End of Report ---

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