

## TEST REPORT

Report No.: HC50037/2011

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Date: May 19, 2011

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

Product Description: i-life PTFE membrane  
Style/ Item No.: S-EC/ No.1  
Manufacturer/ Vendor: Perfect Defense Technology Co., Ltd.  
County of Origin: Taiwan  
Quantity: Total 1 piece  
Testing Period: May 16, 2011 to May 17, 2011

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

Test Required: (According to client's test specification, please see following sheets in detail.)

1. Dust test
2. Waterproof test

Test Results: -PLEASE SEE ATTACHED SHEETS-

Signed for and on behalf of  
SGS TAIWAN Ltd.



Terence Hsieh  
Department Manager

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## 1. Dust test:

### Test Equipment:

Name	Brand	Model	Serial No.
Dust Tester	T-MACHINE	TMJ-9723C	T-23-050411

### Lab Environmental Conditions:

Ambient temperature: 25±3°C

Relative humidity: 55±20%RH

### Test Method/ Specification:

Test method: According to IEC 60529 Edition 2.1: 2001-02--IP6X (Dust test)

Type of dust: Talcum powder

The amount of dust: 2 kg

The chamber size: 1 m<sup>3</sup>

The maximum depression: -20 mbar

Test duration: 8 hours

- Examine the protection against ingress dust of specimen after this test.

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Specimen:

Style/ Item No.: S-EC/ No.1

Quantity: Total 1 piece

Test Result:

Check Item	Does any dust deposit inside the enclosure at the end of the test?
Style/ Item No.	
S-EC/ No.1	No

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## 2. Waterproof test:

### Test Equipment:

Name	Brand	Model	Serial No.
IPX7/IPX8 Immersion Tank	self-made	SGS-ETR-0201	000001

### Lab Environmental Conditions:

Ambient temperature: 25±3°C

Relative humidity: 55±20%RH

### Test Method/ Specification:

Test method: According to IEC 60529 Edition 2.1:2001-02--IPX7

Test means: Completely immerse the specimen in water in its service position as specified by client.

Test condition: The lowest point of enclosures is located 1000 mm below the surface of the water

Test duration: 30 minutes

Test device: As shown in photo 5, 6

- Examine the protection against ingress water of specimen after this test.

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Specimen:

Style/ Item No.: S-EC/ No.1

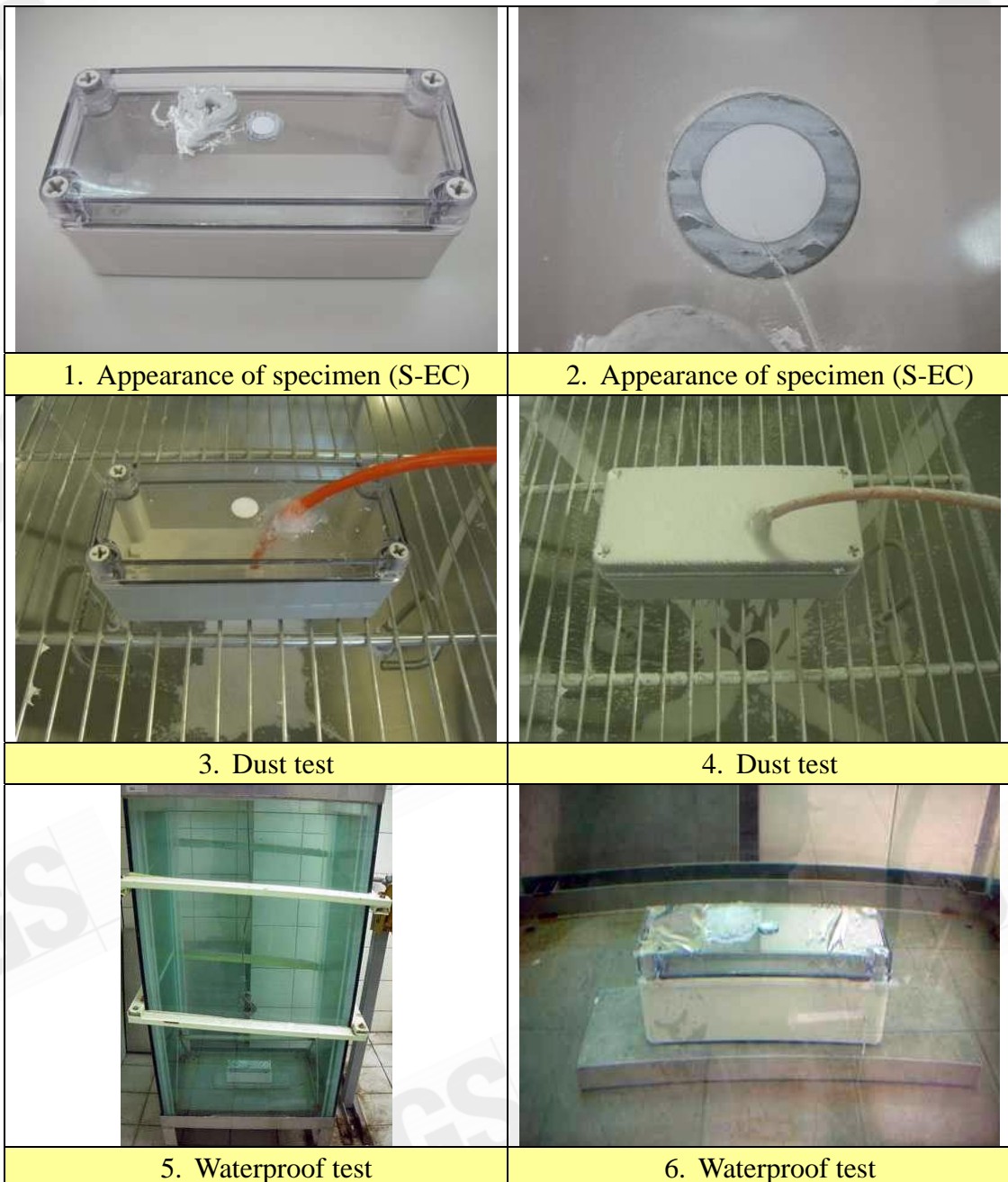
Quantity: Total 1 piece

Test Result:

<b>Check Item</b> <b>Style/ Item No.</b>	<b>Does any water permeated into the specimen?</b>
<b>S-EC/ No.1</b>	No

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Test Photos:



— — — **The End of Test Report** — — —

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