

## Test Report

No.: SDHGR120701663FT

Date: Aug 03, 2012

Page 1 of 3

FGV (GUANGZHOU) COMPANY LIMITED  
ROOM 2710, YANGCHENG INTERNATIONAL COMMERCIAL CENTER,  
EAST TOWER, TIYUDONG ROAD, GUANGZHOU

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

Sample Description : 51MS SLIDE ON HINGES  
Style / Item No. : 51MS15050005000  
Test Performed : Selected test(s) as requested by applicant  
Sample Receiving Date : Jul.27, 2012  
Test Performing Date : Jul.27, 2012 to Aug.03, 2012  
Test Result(s) : For further details, please refer to the following page(s)

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



Jack Yao  
Approved signatory

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SDHG

# Test Report

No.: SDHGR120701663FT

Date: Aug 03, 2012

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**Test Conducted: BS EN ISO 9227:2006-Corrosion tests in artificial atmospheres-Salt spray tests**

Test Information:

Number of test sample : 2PCS  
 Number of Controlled Sample : 2PCS  
 Test method item : Neutral salt spray

Test conditions:

Concentration of sodium chloride (collected solution) : 50g/l ±5g/l  
 Chamber temperature : (35±2)°C  
 Average collection rate for a horizontal collecting area of 80cm<sup>2</sup> : 1.5ml/h±0.5ml/h  
 pH of collected solution at 25°C±2°C : 6.5~7.2  
 Exposure period : 48h

Test result(s):

Sample Item No.	Area of defects, A (%)	Appearance rating
070058	0.1 < A ≤ 0.25	8

Note: Appearance rating refers to EN ISO 10289:2001, as follows:

Area of defects, A (%)	Appearance rating
0(No defects)	10
0 < A ≤ 0.1	9
0.1 < A ≤ 0.25	8
0.25 < A ≤ 0.5	7
0.5 < A ≤ 1.0	6
1.0 < A ≤ 2.5	5
2.5 < A ≤ 5.0	4
5.0 < A ≤ 10	3
10 < A ≤ 25	2
25 < A ≤ 50	1
50 < A	0

To be continued...

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### Photo Appendix



\*\*\*End of Report\*\*\*

## Test Report

No.: SDHG1505006981FT

Date: May 25, 2015

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FGV (GUANGZHOU) COMPANY LIMITED  
ROOM 2709-2711, YANGCHENG INTERNATIONAL COMMERCIAL CENTER,  
EAST TOWER, TIYUDONG ROAD, GUANGZHOU

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

Sample Description : FGV SERIES M SLIDE-ON HINGES (WITH PLATE)  
Style / Item No. : 51MS1505\*\*05000(525201M500100)  
Sample Receiving Date : May 14, 2015  
Test Performing Date : May 14, 2015 to May 25, 2015

### Test Result Summary

Test(s) Requested	Result(s)
Clause 5.5.4 of QB/T 2189 -2013 Hardware for furniture – Cup hinges	PASS
Salt Spray Test (QB/T3826--1999)	Grade 8

#### Summary:

- For further details, please refer to the following page(s).

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



Bill Wang  
Approved signatory



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Guangzhou Branch: Guangzhou Branch: Standards Technical Services Co., Ltd. (Guangzhou Branch) Raregoods Laboratory.

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**TESTS AND RESULTS**

**Part I. Test Conducted:**

Clause 5.5.4 of QB/T 2189 -2013 Hardware for furniture – Cup hinges

**General Test Condition:**

The following test program was conducted in a laboratory environment maintained at 15°C to 25°C and 50%±5 RH. The sample was individually tested after conditioning in the test environment for at least 24 hours prior to conducting the test.

The complete detailed procedures may be found in the referenced specification and are only summarized herein. Unless otherwise specified, the tests are carried out in the following order on the same sample.

**No. of Sample:**

1 Pair (Sample 1). For more sample information and pictures, please refer to the following page.

Test Clause	Test Description and Requirements	Test Results
5.5.4	<p><b>Durability test</b>            Attach two masses, 1 kg each, one on each side of the door at the middle of the vertical centerline, Fully open the door to a maximum of 130° and fully close it for the number of cycles (back and forth) without forcing built-in stops in the open position.            The door shall be gently opened and closed at each cycle without forcing dampers and/or catch devices including self-opening and self-closing mechanisms. Approximately 3 s shall be used for opening and 3 s for closing the door. If the hinges have dampers and/or catch devices, including self-opening and self-closing mechanisms, these shall be allowed to operate correctly according to their function at each cycle. The recommended rate is a maximum of 6 cycles per minute.</p> <p>After the test, the hinges and their components shall fulfill their functions and there shall be no any breakage, looseness for tightened device, as well as deformation and wear which affects their function.</p>	PASS

**Remark:**

1. The test door size is 700mm(H) by 600mm(W) by 19mm(T);
2. The test door weighs 5.2kg ;
3. The cyclic number specified by applicant is 50000 cycles;



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**Part II. Test Conducted:**

Salt Spray Test (QB/T3826--1999)

**General Test Condition:**

The following test program was conducted in a laboratory environment maintained at 15°C to 25°C and 50%±5 RH. The sample was individually tested after conditioning in the test environment for at least 24 hours prior to conducting the test.

The complete detailed procedures may be found in the referenced specification and are only summarized herein.

**No. of Sample:**

1 pieces (Sample #1). For more sample information and pictures, please refer to the following page.

1. General Information:		
Test Method: Neutral Salt Spray		
- Concentration of NaCl Solution: 5 % Sodium Chloride Dissolve in 95 % Distill Water		
- pH of Salt Solution: 6.5~7.2		
- Measure of the salt fog fall: 1.5 ± 0.5 (ml/80cm <sup>2</sup> /h)		
- Test Duration: 48 hours		
- Test Temperature: 35 ± 2 °C		
2. Observation Rating (Evaluating based on QB/T 3832 ---1999)		
1. The observation rating is based on QB/T 3832 ---1999, which is just method standard. Pass and Fail criteria will depend on buyer's acceptable specifications. 2. The observation rating is based on the 11-step scale of 0 to 10, where 0 is bad and 10 is good.	Rating	Area of defects A (%)
	Grade 10	0(No defects)
	Grade 9	0<A≤0.25
	Grade 8	0.25<A≤0.5
	Grade 7	0.5<A≤1.0
	Grade 6	1.0<A≤2.0
	Grade 5	2.0<A≤4.0
	Grade 4	4.0<A≤8.0
	Grade 3	8.0<A≤16.0
	Grade 2	16.0<A≤32.0
	Grade 1	32.0<A≤64.0
Grade 0	64.0<A	
3. Test Results		
<b>Specimen No.</b>	<b>Observation Rating</b>	
# 1	Grade 8	

Remark: According to client's statements, the Style/Item No. as stated on the first page are identical to test sample.



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**SAMPLE INFORMATION AND PICTURES**

Weight: 60.5g

Overall Dimensions: /

Other Dimensions: /

**Sample as Received**

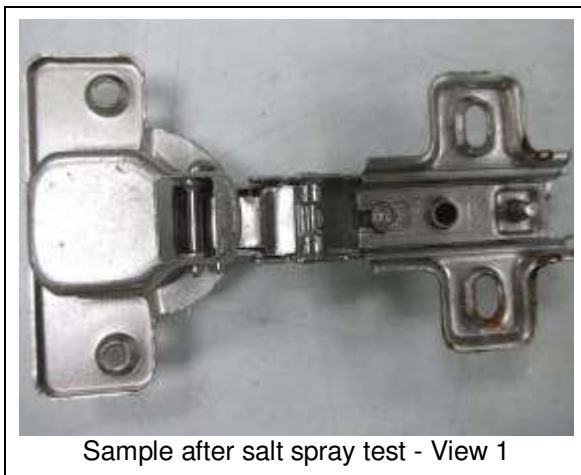


View 1



View 2

**Test Pictures with Defect Details**



Sample after salt spray test - View 1



Sample after salt spray test - View 2

\*\*\*End of Report\*\*\*



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