



Test Report

No.SDHL2303004350FT

Date: Apr 07, 2023

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HEFEI REGGAR AI HARDWARE MANUFACTURING CO.,LTD.
HUAINANBEI ROAD, CHANGFENGSHUANGFENG ECONOMIC DEVELOPMENT ZONE,
HEFEI, ANHUI PROVINCE

Sample Description : REGGAR SOFT-CLOSE HINGE
Manufacturer : HEFEI REGGAR AI HARDWARE MANUFACTURING CO.,LTD.

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Sample Receiving Date : Mar 20, 2023
Test Performing Date : Mar 20, 2023 to Apr 07, 2023
Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	Hinge durability test with reference to clause 6.3.7 of EN 15570:2008	PASS	/
2	ISO 9227:2022	Grade 9	/

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

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Marco Leung

Marco Leung
Authorized Signatory

scan to see the report



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TESTS AND RESULTS
Part 1. Test Conducted:

Hinge durability test with reference to clause 6.3.7 of EN 15570:2008

No. of Sample:

2 pieces. For more sample information and pictures, please refer to the following page.

Test and Requirements	Test Results
Hinge Durability Test 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. After the test, the hinges and their components shall fulfill their functions.	PASS

Remark:

1. Testing door size: 600 mm W x 700 mm H x 19 mm T;
2. Weight of testing door: 5.2 kg;
3. The cyclic number specified by client is 80,000.



Part 2. Test Conducted:

ISO 9227:2022 Corrosion Tests in Artificial Atmospheres — Salt Spray Tests.

No. of Sample:

1 piece (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: 50 g/l \pm 5 g/l		
- pH of Salt Solution: 6.5~7.2		
- Measure of the salt fog fall: (1.5 \pm 0.5)ml/(80cm ² ·h)		
- Test Duration: 48 hours		
- Test Temperature: (35 \pm 2) °C		
2. Observation Rating (Evaluating based on ISO 10289:1999)		
1. The observation rating is based on ISO 10289:1999 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 (R _P or R _A)	Area of defects A (%)
	10	No defects
	9	0 < A \leq 0.1
	8	0.1 < A \leq 0.25
	7	0.25 < A \leq 0.5
	6	0.5 < A \leq 1.0
	5	1.0 < A \leq 2.5
	4	2.5 < A \leq 5.0
	3	5.0 < A \leq 10
	2	10 < A \leq 25
	1	25 < A \leq 50
	0	50 < A
3. Test Results		
Specimen No.	Appearance Rating	
# 1	Grade 9	

Remark:

1. For the sample information and pictures, please refer to the following page.



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SAMPLE INFORMATION AND PICTURES

Weight: 102.3 g/piece

Cup Diameter: $\Phi 35$ mm

Other Dimensions: /

Sample as Received



View 1



View 2



View 3



View 4



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Pictures after Salt Spray Tests



View 1



View 2



View 3



View 4

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.

End of Report



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