

# TEST REPORT

On the basis of the referenced test report(s), the sample(s) of the below product has been found to comply with the relevant harmonized standard(s) to the directive(s) listed on this verification at the time the tests were carried out.

**Applicant Name & Address** : Shimizu Electric Co., Ltd.  
225-2 Kusunokishinden, Shimizu-ku, Shizuoka-shi,  
Shizuoka, 424-0882 Japan.

**Manufacturer Name & Address** : Shimizu Electric Co., Ltd.  
225-2 Kusunokishinden, Shimizu-ku, Shizuoka-shi,  
Shizuoka, 424-0882 Japan.

**Product Name** : Display mirror with drive recorder

**Model No.** : SDV880S2

**Variants** : /

**Trade mark** : /

**Electrical Rating** : /

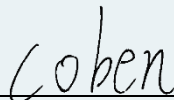
**Relevant Standard(s) / Specification(s) / Directive(s)** : **UN R. 046-04 series Uniform provisions concerning the approval of devices for indirect vision and of motor vehicles with regard to the installation of these devices**

**Report Number(s)** : SQT2312002

**Test Result** : Pass

**Conclusion** : In the configuration tested, the EUT complied with the standards specified above.

*Prepared and Checked By:*



Coben Huang  
Project Engineer

*Approved by:*



Lily Li  
Technical Supervisor

2023-12-04  Issued Date



## Statement

1. The report is invalid without "special stamp for inspection and testing".
2. Failure to affix "special seal for inspection and testing" to the copy report is invalid, and some copies are invalid.
3. The report is invalid without the signature and seal of the person preparing, reviewing and approving it.
4. The report is invalid if altered.
5. If there is any objection concerning the report, please inform us within 15 days from the date of receiving the report.
6. This test is only responsible for incoming samples, and the report is only valid for this test.

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1. Description of version

Report No.	Version No.	Issue Date	Description	Approved
SQT2312002	V0	2023-12-04	Original	Valid

## 2. Test summary

No.	Test Item	Test Method	Result
1.	Impact test	UN R.46-04 series in paragraphs 6.3.2	Correct
Remark: 1. The symbol “N/A” in above table means <u>Not Applicable</u> . 2. This test is only responsible for incoming samples, and the report is only valid for this test.			

## 3. Laboratory measurements

### 3.1. Configuration information

Product name	Display mirror with drive recorder		
Category	Component		
Model No.	SDV880S2		
Variants	/		
Quantity of sample	1pcs		
Date received	2023-11-24		
Date test conducted	2023-11-28		
Sample No.	1#	SDV880S2	
Fixed method	3M adhesive		
Test laboratory	Guangzhou Shuntai Quality Technical Service Co., Ltd. Room 206A, 2F, 4# Plant, No.63 Punan Road, Huangpu District, Guangzhou, China, 510760		

**Note:** The above DUT information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

### 3.2. Worse case description

Model No.: SDV880S2

Variants: ---

Model SDV880S2 is selected as typical model to perform testing and the worst case.

### 3.3. Explanation of test method deviation

The test method deviates from the standard method: **yes/no**

If yes, please explain in details: ---

## 4. Test item and results

### 4.1. Impact test

#### 4.1.1. Test requirement

Test method	According to UN R. 046-04 series in paragraph 6.3.2
Indirect vision device	Class I
Test	Test 1: The points of impact shall be as defined in paragraph 6.3.2.2.3. above. The impact shall be such that the hammer strikes the mirror on the reflecting surface side.
	Test 2: Point of impact on the edge of the protective housing, such that the impact produced makes an angle of 45 ° with the plane of the reflecting surface and is situated in the horizontal plane passing through the centre of that surface. The impact shall occur on the reflecting surface side.
Requirement	a) The part remaining shall not project beyond the base by more than 10 mm and the configuration remaining after the test shall satisfy the conditions laid down in paragraph 6.1.1.3. of this Regulation. b) The reflecting surface does not break or the fragments of glass still adhere to the protective housing or does not exceed 2,5 mm either side of the crack. c) The reflecting surface is made of safety glass.

#### 4.1.2. Sample information

Sample name	Model No.	Quantity of sample	Sample No.
Display mirror with drive recorder	SDV880S2	1pcs	1#

#### 4.1.3. Used test equipment

Equipment	Equipment S/N	Manufacturer	Model No.	Calibration Due
Impact testing machine	GZST/YQ-DJ-22	RISEN	RM-D1000A	2024-06-29

#### 4.1.4. Test results

Results: Pass

Test date: 2023-11-28

Temperature and humidity: 26.7°C/51%RH



Sample No.	Requirement	Results	
1#	a) When the mirror falls off the bracket, the part remaining shall not project beyond the base by more than 10 mm. b) The reflecting surface does not break.	After testing, the mirror detached from the bracket, and the height of the remaining part is not more than 10mm. The reflecting surface does not break.	<b>CORRECT</b>

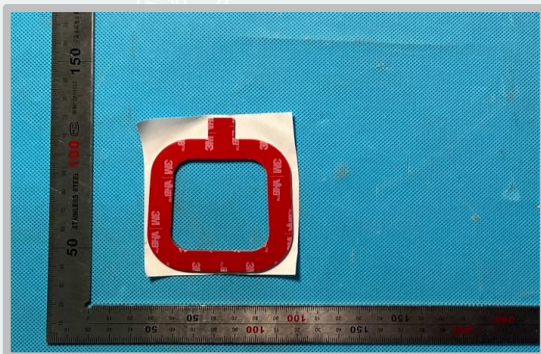
#### 4.1.5. Test photos



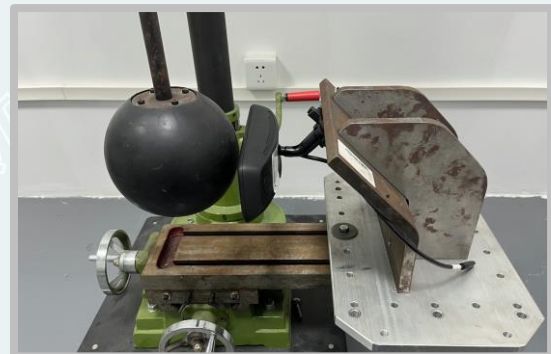
Before test



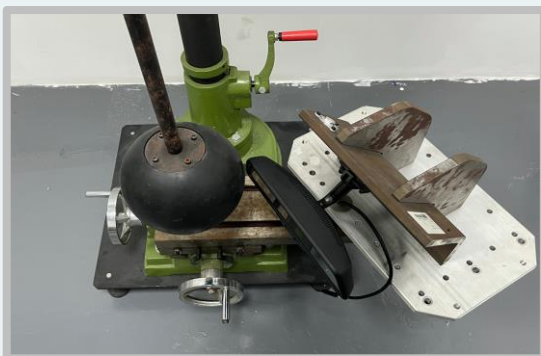
After test



3M adhesive



Central impact point



45 °impact edge point



## 5. Photographs of DUT



EUT photo 1



EUT photo 2

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