

## Test Report

No.SDHL240901811801OT

Date: Sep 30, 2024

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HESHAN JIEZHIXING HARDWARE INDUSTRIAL CO.,LTD.  
NO. 22-1, SANLIAN 7TH STREET, GULAO TOWN, HESHAN, JIANGMEN, GUANGDONG, CHINA

Sample Description : ESD CHAIR  
Item No. : CH025  
Manufacturer : HESHAN JIEZHI XING HARDWARE INDUSTRIAL CO.,LTD  
Country of Origin : CHINA

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.

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Sample Receiving Date : Sep 23, 2024  
Test Performing Date : Sep 23, 2024 to Sep 30, 2024  
Test Performed : Selected test(s) as requested by applicant

### Test Result Summary

No.	Test(s) Requested	Result(s)	Comments
1	Seating resistance measurements	PASS	/
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

*Kitty Kang*

Kitty Kang  
Authorized Signatory

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## TESTS AND RESULTS

**Test Conducted:**

Seating resistance measurements

**Sample Information:**

Tested sample: #A

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

**Tested Result:**

Details shown as following table.

Test Property	Test Methods	Test Principle/Requirements	Result	Rating
Seating resistance measurements	Refer to ANSI/ESD STM12.1-2019	<p>Before conducting resistance measurements, the test sample should be placed in an environment of 23 °C and 50% RH for at least 48 hours. During testing, the sample is placed on the insulative specimen support surface. The test sample caster and electrode are placed on a metal plate, while the other electrode is placed on the area to be tested. First, use a 10 V test voltage for testing. If the resistance is less than <math>1 \times 10^6 \Omega</math>, record the results directly. If the resistance is greater than <math>1 \times 10^6 \Omega</math>, use a 100 V test voltage for testing and record the results.</p> <p>Requirement limit: Refer to the reference standard ANSI/ESD STM12.1-2021, the groundable point resistance of each part is less than <math>1 \times 10^9 \Omega</math>.</p>	<p>M</p> <p>The specific test result is detailed in Table A and Table B</p>	P



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Test temperature: 23 °C, test humidity: 50% RH.

Table A:  
Measurements of Resistance between Groundable Points

Seating Component	Groundable Point measured				
	Ground Point B	Ground Point C	Ground Point D	Ground Point E	Ground Point F
Resistance to Groundable Point A (ohms) - OPTIONAL	$2.27 \times 10^3 \Omega$	$5.23 \times 10^3 \Omega$	$2.02 \times 10^4 \Omega$	$4.90 \times 10^3 \Omega$	$2.15 \times 10^3 \Omega$

Table B:  
Measurements of Seat Components to Groundable to Points

Seating Component	Point Measured	V <sub>e</sub> (volts)	Resistance to A*
Seat	1	100 V	$2.53 \times 10^8 \Omega$
	2	100 V	$2.45 \times 10^8 \Omega$
	3	100 V	$3.31 \times 10^8 \Omega$
	4	100 V	$1.60 \times 10^8 \Omega$
	5	100 V	$3.35 \times 10^8 \Omega$
Back Rest	1	100 V	$6.04 \times 10^6 \Omega$
	2	100 V	$5.89 \times 10^6 \Omega$
	3	100 V	$5.92 \times 10^6 \Omega$
	4	100 V	$1.65 \times 10^7 \Omega$
	5	100 V	$7.37 \times 10^7 \Omega$
Rear of Back Rest	1	100 V	$1.37 \times 10^6 \Omega$
	2	10 V	$9.65 \times 10^5 \Omega$
	3	100 V	$2.65 \times 10^6 \Omega$
Base	1	10 V	$3.01 \times 10^3 \Omega$

### Remark:

1. NA =Not Applicable; NT=Not Tested; NR=Not Requested to test as per client's requirements.  
M=Meets; NM=Does Not Meet; C=Claimed; R=Recorded.  
P=PASS=Compliant with the requirements; F=FAIL= Incompliant with the requirements.
2. This test is only conducted on one sample.
3. The temperature and humidity of the testing environment are 23 °C and 50% RH.



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### Sample Information:

Sample	Overall Dimensions	Net Weight	Other Dimensions
#A	Length: 590.0 mm Width: 590.0 mm Height: 890.0~1090.0 mm	9.3 kg	/

### Picture Appendix:



Exhibit #1. Sample #A



Exhibit #2. Sample #A

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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