Test Report

No.: SHHL260906825201FT Date: OCT. 19, 2026 Page: 1 of 5

ZENITH (SHANGHAI) HIGH-TECH CO., LTD
L1, BLDN 2, 1788 HANGTANG RD, JINHUI TOWN, FENGXIAN SHANGHAI 201405 CHINA

Sample Description	:	Heed
SGS Order No.	:	SHHL2609068252FT
Style No.	:	Dining chair
		**********
Source of Sample	:	SENT BY CLIENT.
Sample Receiving Date	:	SEP. 30, 2026
Testing Period	:	SEP. 30, 2026 TO OCT. 19, 2026

Test Requested	Result
ANSI/BIFMA X5.1-2017 (R2022): GENERAL-PURPOSE OFFICE CHAIR– AMERICAN NATIONAL STANDARD FOR OFFICE FURNITURE	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Arron Lou
Authorized Signatory

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Test Conducted:

ANSI/BIFMA X5.1-2017 (R2022): General-Purpose Office Chair– American National Standard For Office Furniture

Testing Condition : All the physical tests were carried out in indoor ambient.

Nos. of Specimen : 3 pcs.

Type of Chair : Type III

Test Result : Details shown as following table.

Clause	Test Item	Result
5	**Backrest Strength Test - Static - Type I and II**	
5	Backrest Strength Test - Static - Type I And II (Functional Load)	NA
5	Backrest Strength Test - Static - Type I And II (Proof Load)	NA
6	**Backrest Strength Test - Static - Type III**	
6	Backrest Strength Test - Static - Type III (Functional Load)	Pass
6	Backrest Strength Test - Static - Type III (Proof Load)	Pass
7	**Drop Test - Dynamic**	
7	Drop Test - Dynamic (Functional Load)	Pass
7	Drop Test - Dynamic (Proof Load)	Pass
8	**Swivel Test - Cyclic**	
8	Swivel Test - Cyclic	NA
9	**Tilt Mechanism Test - Cyclic**	
9	Tilt Mechanism Test - Cyclic	NA
10	**Seating Durability Tests - Cyclic**	
10.3	Impact Test	Pass
10.4	Front Corner Load-Ease Test - Cyclic - Off-Center	Pass
11	**Stability Tests**	
11.3.1	Rear Stability Test For Type III Chairs	Pass
11.3.2	Rear Stability Test For Type I And II Chairs	NA
11.4	Front Stability	Pass
12	**Arm Strength Test - Vertical - Static**	
12	Arm Strength Test - Vertical - Static (Functional Load)	Pass
12	Arm Strength Test - Vertical - Static (Proof Load)	Pass

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Clause	Test Item	Result
13	**Arm Strength Test - Horizontal - Static**	
13	Arm Strength Test - Horizontal - Static (Functional Load)	Pass
13	Arm Strength Test - Horizontal - Static (Proof Load)	Pass
14	**Backrest Durability Test - Cyclic - Type I**	
14	Backrest Durability Test - Cyclic - Type I	NA
15	**Backrest Durability Test - Cyclic - Type II and III**	
15	Backrest Durability Test - Cyclic - Type II And III	Pass
16	**Caster/Chair Base Durability Test - Cyclic**	
16.1	Caster/Chair Base Durability Test For Pedestal Base Chairs	NA
16.2	Caster/Chair Frame Durability Test For Non-Pedestal Chairs With Casters	NA
17	**Leg Strength Test - Front and Side Application**	
17.3	Leg Strength Test - Front and Side Application - Front Load Test (Functional Load)	Pass
17.3	Leg Strength Test - Front and Side Application - Front Load Test (Proof Load)	Pass
17.4	Leg Strength Test - Front and Side Application - Side Load Tests (Functional Load)	Pass
17.4	Leg Strength Test - Front and Side Application - Side Load Tests (Proof Load)	Pass
18	**Footrest Static Load Test - Vertical**	
18	Footrest Static Load Test - Vertical (Functional Load)	NA
18	Footrest Static Load Test - Vertical (Proof Load)	NA
19	**Footrest Durability Test - Vertical - Cyclic**	
19	Footrest Durability Test - Vertical - Cyclic	NA
20	**Arm Durability Test - Cyclic**	
20	Arm Durability Test - Cyclic	Pass
21	**Out Stop Tests for Chairs with Manually Adjustable Seat Depth**	
21	Out Stop Tests For Chairs With Manually Adjustable Seat Depth	NA
22	**Tablet Arm Chair Static Load Test**	
22	Tablet Arm Chair Static Load Test	NA
23	**Tablet Arm Chair Load Ease Test - Cyclic**	

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Clause	Test Item	Result
23	Tablet Arm Chair Load Ease Test - Cyclic	NA
24	**Structural Durability Test - Cyclic**	
24	Structural Durability Test - Cyclic	Pass
Appendix C	**Informative**	
	Base Test - Static	NA
Appendix H	**Simultaneous Side Legs Strength Test**	
	Simultaneous Side Legs Strength Test	Pass

Notes : # 1- N/A means not applicable to this product design.

Remark:

1. Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
2. The declaration of conformity is based on acceptance limits chosen based on simple acceptance (w = 0, AL =TL).
   Statements of conformity are reported as:
   Passed - The measured values were observed in tolerance at the points tested.
   Failed - One or more measured values were observed out of tolerance at the points tested.

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Sample Photo:

Received sample (view 1)



Received sample (view 2)



Received sample (view 3)



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End of Report

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