



Test Report

No.: SHHL1807035206FT

Date: JUL. 18, 2018

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TAIZHOU DA WANG PLASTIC & STEEL CO.,LTD
NO. 15, INNOVATION AVENUE, GAOANG DISTRICT, TAIZHOU,CITY,JIANGSU PROVINCE,
CHINA

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

Sample Description : 50MM PU CASTER WHEEL
Style No. : 50MM PU CASTER WHEEL
Manufacturer : TAIZHOU DA WANG PLASTIC & STEEL CO.,LTD
Country of Origin : CHINA
Country of Destination : GLOBAL
Sample Receiving Date : JUL. 05, 2018
Testing Period : JUL. 05, 2018 TO JUL. 18, 2018
Test Performed : SELECTED TEST(S) AS REQUESTED BY APPLICANT
Test Requested : 1. DROP TEST – DYNAMIC (ANSI/BIFMA X5.1-2017 CLAUSE 7)
2. CASTER / CHAIR BASE DURABILITY TEST (ANSI/BIFMA
X5.1-2017 CLAUSE 16)
Test Result(s) : FOR FURTHER DETAILS, PLEASE REFER TO THE
FOLLOWING PAGE(S)
Conclusion : THE SUBMITTED SAMPLE MET THE TEST REQUIREMENT.

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

Melody Zhang
Authorized Signatory



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Test Conducted:

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

Testing Condition : All the physical test is carry out in indoor ambient.

Nos. of Specimen : 1pc

Type of Chair : TYPE I&III

Test Result : PASS

Test Property	Test Method	Test Principle / Requirements	Results
Drop Test – Dynamic (Functional Load)	ANSI/BIFMA X5.1 -2017 Clause 7	No loss of serviceability when 102kg (225 lbs.) weight free falls from 6 in height to the center of the seat.	Pass
Drop Test – Dynamic (Proof Load)	ANSI/BIFMA X5.1 -2017 Clause 7	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 136kg (300 lbs.) weight free falls from 6 in height to the center of the seat.	Pass
Caster / Chair Base Durability Test For Pedestal Base Chair	ANSI/BIFMA X5.1 - 2017 Clause 16.1	No loss of service after 2,000 cycles over a hard surface with 3 obstacles and 98, 000 cycles over a smooth hard surface without obstacles under a 122kg (270 lbs.) load on the seat. Test stroke is 762mm (30 in.) minimum. The caster should not separate under 22N (5 lbs.) pulling force in line with the caster stem after the cycling test.	Pass
Caster / Chair Base Durability Test For Chairs with Legs	ANSI/BIFMA X5.1 - 2017 Clause 16.2	No loss of service after 2,000 cycles over a hard surface with 2 obstacles and 98, 000 cycles over a smooth hard surface without obstacles under a 122kg (270 lbs.) load on the seat. Test stroke is 762mm (30 in.) minimum. The caster should not separate under 22N (5 lbs.) pulling force in line with the caster stem after the cycling test.	N/A See note 1



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Sample Photo:

Received sample (front view)



Received sample (side view)



SGS authenticate the photo on original report only

End of Report



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