



TEST REPORT

NUMBER: SHAH00174305

APPLICANT: HAWORTH FURNITURE (SHANGHAI) CO., LTD.
NO.2, 360 XIYA ROAD, WAIGAOQIAO FREE
TRADE ZONE, SHANGHAI, CHINA.
ATTN: ZHANG YIBIN

DATE: MAR 03, 2010

SAMPLE DESCRIPTION:

ONE (1) GROUP OF SUBMITTED SAMPLES SAID TO BE:
ITEM NAME : CONFERENCE CHAIR: ADJUSTMENT BACK AND SEAT HEIGHT.
FIXED.

TESTS CONDUCTED:

AS REQUESTED BY THE APPLICANT, FOR DETAILS REFER TO ATTACHED PAGE(S)

CONCLUSION:

<u>TESTED SAMPLES</u>	<u>STANDARD</u>	<u>RESULT</u>
SUBMITTED SAMPLE	CLIENT'S REQUIREMENT -ANSI/BIFMA X5.1-2002 FOR GENERAL PURPOSE OFFICE CHAIRS & ES-1058 HAWORTH ENGINEERING SPECIFICATION	PASS

TO BE CONTINUED

PREPARED AND CHECKED BY:
FOR INTERTEK TESTING SERVICES
LTD., SHANGHAI

AUTHORIZED BY:
FOR INTERTEK TESTING SERVICES
LTD., SHANGHAI

PETER YU
SENIOR MANAGER

STEPHEN TSANG
GENERAL MANAGER

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TESTS CONDUCTED

OFFICE CHAIRS TESTS

As requested by the client, the submitted sample was subjected to the following tests, the tests were according to American national standard for office furnishings - general- purpose office chairs - tests (ANSI/BIFMA X5.1-2002) and ES-1058 (HAWORTH ENGINEERING SPECIFICATION)

Number of sample tested: Eight (8) pieces

Initial inspection: No any damage was found

Executive summary:

PRODUCT NUMBER	CLAUSE	TESTING ITEMS	VERDICT
#1	ANSI/BIFMA X5.1-2002 clause 5	Back strength test-static-type I	P
#2	ANSI/BIFMA X5.1-2002 Clause 10	Tilt mechanism test-cyclic	P
#3	ANSI/BIFMA X5.1-2002 Clause 11	Seating durability tests – cyclic	P
#1	ANSI/BIFMA X5.1-2002 Clause 13	Arm strength test-vertical – static	P
#3	ANSI/BIFMA X5.1-2002 Clause 14	Arm strength test - horizontal - static	P
#4	ANSI/BIFMA X5.1-2002 Clause 15	Back durability test - cyclic - type I	P
#5B	ANSI/BIFMA X5.1-2002 Clause 20	Arm durability test-cyclic	P
#5A	ES-1058 Rev.G Clause 1	Castor Durability - Cyclic	P
#5A	ES-1058 Rev.G Clause 2.3.1(Mod)	Seat Cushions – Humidity Shock - Static	P#1
#5A	ES-1058 Rev.G Clause 2.3.2(Mod)	Seat Cushions – Peel Test - Static	P#2
#6	ES-1058 Rev.G Clause 8	Front Edge Seat Impact – Cyclic (20K, 1.5" drop)	P
#7	ES-1058 Rev.G Clause 17	Front/Back Durability w/offset - Cyclic	P

Abbreviation: **P**=Pass **F**=Fail **NA**=Not Applicable **NC**=Not Conducted

Remark:

#1.As requested by applicant, the back cushion of the seat (clause 9,10,11) was conducted only.

The hot-melt adhesive was acted between fabrics and foam in the centre area of the back cushion when received the submitted sample.

#2.The force was 6.0N required to separate the fabric and foam.

No adhesive was found between foam and back shell.

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TESTS CONDUCTED



Picture 1



Picture 2



Picture 3

Date Sample Received: Jan 19, 2010
Testing Period: Jan 19, 2010 To Mar 03, 2010

End Of Report