

Test Report

No. GLHGR061001318FT

Date: Oct 20, 2006

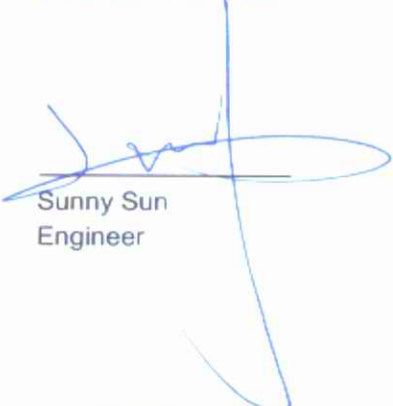
Page 1 of 3

GUANGZHOU CHANGXING ALUMINOUS PRODUCT LTD.
THE INDUSTRY ZONE, BEIXING TOWN, HUADU DISTRICT, GUANGZHOU, P.R.CHINA

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

Sample Description : ALUMINUM DINING CHAIR WITH COOL GREY# 10 FINISH
Style / Item No. : MODEL NUMBER 318, TRADITIONAL
Buyer : AAA FURNITURE WHOLESALE
Country of Origin : CHINA
Country of Destination : U.S.A
Test Performed : Selected test(s) as requested by applicant
Sample Receiving Date : Aug 24, 2006
Test Performing Date : Aug 24, 2006 to Sep 10, 2006
Test Result(s) : For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Co., Ltd.


Sunny Sun
Engineer

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Page 2 of 3

Test Conducted: ANSI/BIFMA X5.1 -2002 Clause 6, 8, 11.3, 12, 16&18

Test Item	Test Method	Test requirements	Test Result	Rating
Back Strength Test - Static - Type II & III (Functional Load)	ANSI/BIFMA X5.1 -2002 Clause 6.4	No loss of serviceability when 667N (150lbs.) is applied for 1 min. Applied 90° to the back at 16in. above the seat.	No failure	Pass
Back Strength Test - Static - Type II & III (Proof Load)	ANSI/BIFMA X5.1 -2002 Clause 6.4	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 1112N (250lbs.) is applied for 1 min. Applied 90° to the back at 16in. above the seat.	No failure	Pass
Drop Test - Dynamic (Functional Load)	ANSI/BIFMA X5.1 -2002 Clause 8.4	No loss of serviceability when 102kg (225lbs.) weight free falls from 6in. height to the center of the seat.	No failure	Pass
Drop Test Dynamic (Proof Load)	ANSI/BIFMA X5.1 -2002 Clause 8.4	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when 136kg (300lbs.) weight free falls from 6in. height to the center of the seat.	No failure	Pass
Impact Test - Cyclic	ANSI/BIFMA X5.1 -2002 Clause 11.3	No loss of serviceability in 100,000cycles impact. A weight of 57kg (125lbs.) free falls onto the seat from 1 in. height.	No failure	Pass
Stability Test - Rear Stability	ANSI/BIFMA X5.1 -2002 Clause 12.3	A 79kg (173lbs.) weight is placed to the seat center (strapped as Fig. 12a). Obstruct the chair casters/legs with 13mm (½in.) obstacle. A tipping force is applied to the chair back until the total weight is transferred to the rear support members. The tipping force shall not be less than: Type I and II -89N (20 lbs.) Type III -156N (35 lbs.)	The tipping force is more than 156N (Type III)	Pass
Stability Test - Front Stability	ANSI/BIFMA X5.1 -2002 Clause 12.4	The chair is obstructed with a 13mm (½ in.) obstruction to the chair casters/legs. A downward load of 600N (135lbs.) is centered 60mm (2.4in.) from the seat front center edge. The seat shall withstand a 20N (4.5lbf.) horizontally from the front seat edge without tipping.	No tipping	Pass
Back Durability Test - Cyclic - Type II & III	ANSI/BIFMA X5.1 - 2002 Clause 16	No loss of serviceability in 120,000 cycles with a 102kg (225lbs.) in the center of the seat and a 334N (75lbf.) 90° to the center of the chair back. For chairs with a back width greater than 406mm (16in.), test at the center of chair back for 80,000cycles and then 102mm (4in.) off-center 40,000 cycles, half to each side.	No failure	Pass

To be continued...

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GZHG 128792

Test Item	Test Method	Test requirements	Test Result	Rating
Leg Strength Test -Front Load (Functional Load)	ANSI/BIFMA X5.1 -2002 Clause 18.3	No loss of serviceability when a force of 334N (75lbf.) is applied to each front leg individually for 1 minute.	No failure	Pass
Leg Strength Test- Front Load (Proof Load)	ANSI/BIFMA X5.1 -2002 Clause 18.3	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when a force of 556N (125lbf.) is applied to each front leg individually for 1 minute.	No failure	Pass
Leg Strength Test -Side Load (Functional Load)	ANSI/BIFMA X5.1 -2002 Clause 18.4	No loss of serviceability when a force of 334N (75lbf.) is applied once to each front and rear leg individually for 1 minute.	No failure	Pass
Leg Strength Test -Side Load (Proof Load)	ANSI/BIFMA X5.1 -2002 Clause 18.4	No sudden and major change in the structural integrity (loss of serviceability is acceptable) when a force of 512N (115lbf.) is applied once to the front and rear leg individually for 1 minute.	No failure	Pass

Remark:

1) Type of chair:

Type I – tilt chair: a chair with a seat tilts with a counterbalancing force;

Type II – fixed seat angle, tilting backrest: a chair that provides a fixed angle with a tilting backrest.

Type III – fixed seat angle, fixed backrest: a chair that provides a fixed seat angle with a fixed backrest.

2) Photo appendix is included.

Remark:

The content of this test report is copied from the test report number GLHGR060800974FT

End of Report

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PHOTO APPENDIX



SGS authenticate the photo on original report only

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