



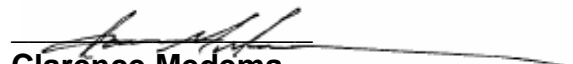
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AGATI FURNITURE
Date: April 30, 2007
P. O. No.: 7-742

Report No.: 07-0323-128485
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Test Report For:
AGATI FURNITURE
ANSI/BIFMA X5.1-2002
CHAIR TEST STANDARD
Kala Chair


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DATE RECEIVED: 03/23/07
DATES TESTED: 03/23/07 - 04/27/07

DESCRIPTION OF SAMPLES:
Part Description: Kala Chair

WORK REQUESTED/APPLICABLE DOCUMENTS:
To test the submitted sample per ANSI/BIFMA X5.1-2002 Chair Test Standard for the following test program:

<u>Test No.</u>	<u>Test Description</u>
6	Backrest Strength
8	Drop
11	Seating Durability
12	Stability
13	Arm Strength Vertical
14	Arm Strength Horizontal
16	Backrest Durability
18	Leg Strength
20	Arm Durability

CONCLUSION:
The submitted sample met the acceptance criteria of the tests listed above.

TEST EQUIPMENT:
Fairbanks Scale (0-1,000 lbs): Asset #: 138012
Steel Rule: Asset #: 138112
Load Cell (0-3,000 lbs): Asset #: 138022.2
Load Indicator (0-3,000 lbs): Asset #: 138022.1
Angle Finder: Asset #: 138071

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6. BACK STRENGTH TEST- STATIC (Type II – III)

Date Tested: 03/13/07

Test Procedure:

Test Method: ANSI/BIFMA X5.1-2002; Test No. 6
Functional Load: 150 lbf.
Proof Load: 250 lbf.
Number of Samples Tested: One (1)

Acceptance Level:

Functional Load: A functional load applied once shall cause no loss of serviceability to the chair.

Proof Load:

A proof load applied once shall cause no sudden and major change in the structural integrity of the chair. Loss of serviceability is acceptable.

Results:

Static Load	Description of Results
150	Pass
250	Pass

The sample met the acceptance criteria of the test described above. Refer to the following page for photograph.



Back Strength Test- Static

8. DROP TEST – DYNAMIC (Type III):

Date Tested: 03/07/07

Test Procedure:

Test Method: ANSI/BIFMA X5.1-2002; Test No. 8
Functional Load: 225 lbs.
Proof Load: 300 lbs.
Drop Height: 6"
Number of Samples Tested: One (1)

Acceptance Criteria:

Functional Load: No structural breakage or loss of serviceability, including stacking ability if applicable.

Proof Load: No sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.

Results:

Functional Drop	Drop Weight (Lbs.)	Description of Results
	225 lbs.	Pass
Proof Drop	Drop Weight (Lbs.)	Description of Results
	300 lbs.	Pass

The sample met the acceptance criteria of the test described above. Refer to the following page for photograph.



Drop Test - Dynamic

11. SEATING IMPACT TEST

Dates Tested: 03/30/07 – 04/02/07

Test Procedure:

Test Method: ANSI/BIFMA X5.1-2002; Test No. 11

Section 11.3

Seat Center Impact Test

Bag Diameter: 16"
Bag Weight: 125 lbs.
Number Cycles: 100,000
Height of Drop: 1"
Cycles per Minute: 10 to 30

Section 11.4

Load Ease Test

Bag Diameter: 8"
Bag Weight: 165 lbs.
Number of Cycles Required: 20,000 to each Front Corner
Cycles per Minute: 10 to 30
Number of Samples Tested: One (1)

Acceptance Criteria:

There shall be no loss of serviceability to the chair after completion of both the Impact and Load Ease Tests.

Results:

Section 11.3

Location of Force	Number of Cycles	Description of Results
Center of Seat	100,000	Pass

Section 11.4

Location of Force	Number of Cycles	Description of Results
Left Front Corner	20,000	Pass
Right Front Corner	20,000	Pass

The sample met the acceptance criteria of the test described above. Refer to the following page for photograph.



Seating Impact Test

12. STABILITY TEST -DYNAMIC (Front and Rear):

Date Tested: 03/07/07

Test Procedure:

Test Method: ANSI/BIFMA X5.1-2002; Test No. 12
All of the chair's adjustable features shall be set for the most unstable conditions.

Chair Type: Type III

Rear Stability:

Weight in Seat
(Rear Stability Only): 173 lbs.

Front Stability:

Vertical Load: 134.8 Lbs
Horizontal Force: 4.5 Lbs
Number of Samples Tested: One (1)

Acceptance Criteria:

Front Stability: The chair shall not tip over as the result of the force application.

Rear Stability: The force to tip shall not be less than:
Type I: 20 lbf.
Type II: 20 lbf.
Type III: 35 lbf.

Results:

Front Stability	Rear Stability
18lbf to tip	75.40lbf to tip
Pass	Pass

The sample met the acceptance criteria of the test described above. Refer to the following pages for photographs.



Stability Test -Dynamic (Rear)



Stability Test -Dynamic (Front)

13. ARM STRENGTH TEST VERTICAL-STATIC:

Date Tested: 03/13/07

Test Procedure:

Test Method: ANSI/BIFMA X5.1-2002; Test No. 13
Functional Static Load: 200 lbf.
Proof Static Load: 300 lbf.
Number of Samples Tested: One (1)

Acceptance Criteria:

Functional Load: There shall be no loss of serviceability.

Proof Load: There shall be no sudden and major change in the structural integrity of the chair. Loss of serviceability is acceptable.

Results:

Static Load (lbf.)	Description of Results
200	Pass
300	Pass

The sample met the acceptance criteria of the test described above. Refer to the following page for photograph.



Arm Strength Test Vertical-Static

14. ARM STRENGTH TEST- HORIZONTAL-STATIC:

Date Tested: 03/13/07

Test Procedure:

Test Method: ANSI/BIFMA X5.1-2002; Test No. 14
Functional Force: 100 lbf.
Proof Load: 150 lbf.
Number of Samples Tested: One (1)

Acceptance Criteria:

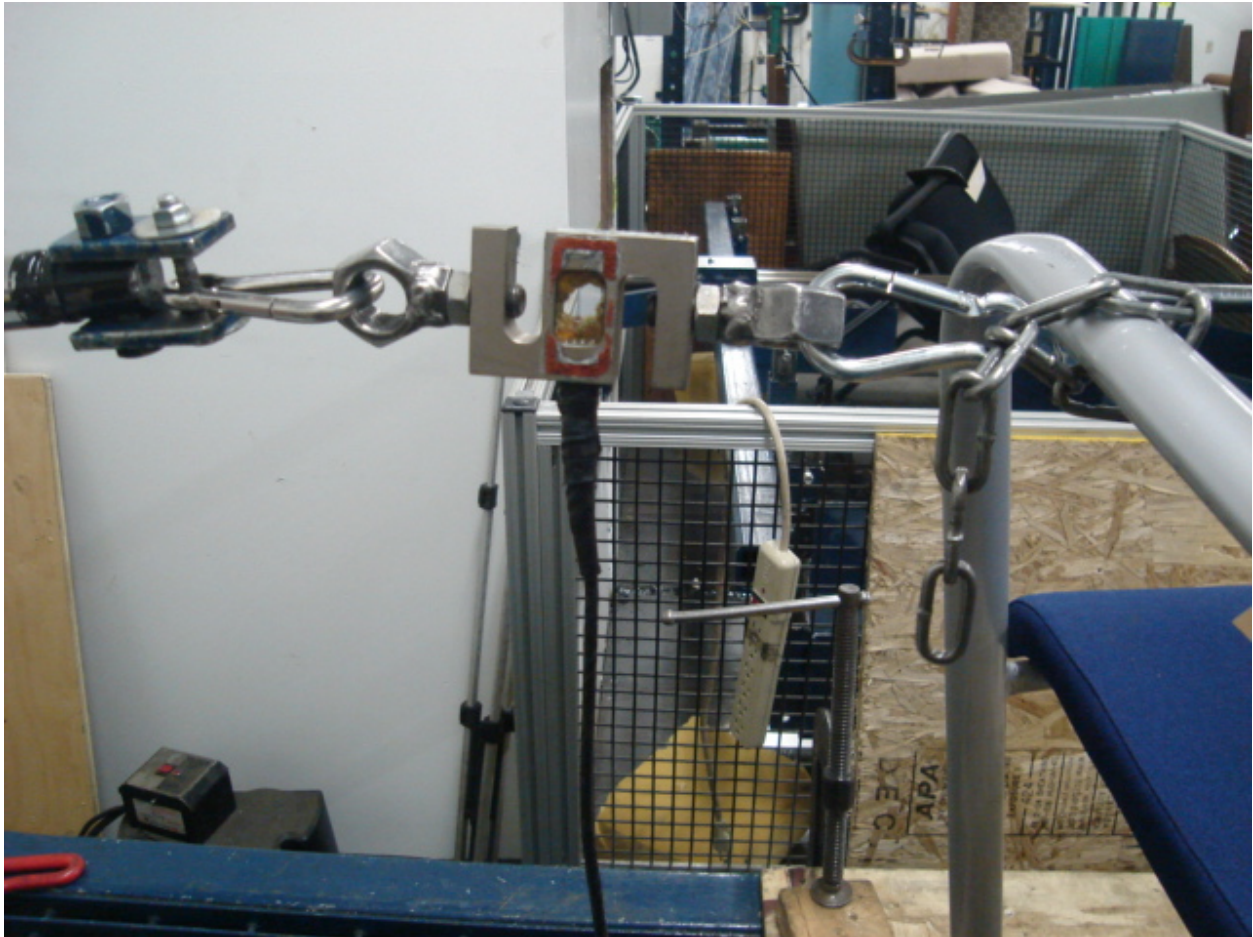
Functional Load: A functional load applied once shall cause no loss of serviceability.

Proof Load: A proof load applied once shall cause no sudden and major change in the structural integrity of the unit. Loss of serviceability is acceptable.

Results:

Static Load (lbf.)	Description of Results
100	Pass
150	Pass

The sample met the acceptance criteria of the test described above. Refer to the following page for photograph.



Arm Strength Test- Horizontal-Static

16. BACK DURABILITY TEST-CYCLIC (Type II - III):

Dates Tested: 03/08/07 – 03/13/07

Test Procedure:

Test Method: ANSI/BIFMA X5.1-2002; Test No. 16
Backrest Width: 22"
Number of Cycles Required: 120,000
Center Pull Location: 80,000
Off Center Pull Location: 40,000 (20,000 per side)
Force Applied to Chair Back: 75 lbf.
Load in Seat: 225 lbs.
Cycles per Minute: 10 to 30
Number of Samples Tested: One (1)

Acceptance Criteria:

No structural breakage or loss of serviceability.

Results:

Pull Location	Number of Cycles	Description of Results
Center Pull	80,000	Pass
Off Center Pull	40,000	Pass

The sample met the acceptance criteria of the test described above. Refer to the following page for photograph.



Back Durability Test-Cyclic

18. LEG STRENGTH TEST - FRONT & SIDE APPLICATION:

Date Tested: 03/13/07

Test Procedure:

Test Method: ANSI/BIFMA X5.1-2002; Test No. 18

Front to Rear Leg Application:

Functional Load: 75 lbf. (Load Each Leg)
Proof Load: 125 lbf. (Load Each Leg)

Side Load Application:

Functional Load: 75 Lbs (Load Each Leg)
Proof Load: 115 Lbs (Load Each Leg)
Number of Samples Tested: One (1)

Acceptance Criteria:

Functional Load: No structural breakage or loss of serviceability, including stacking if applicable.

Proof Load: No sudden and major change in the structural integrity of the product. Loss of serviceability is acceptable.

Results:

Load Application	Functional	Proof	Description of Results
Side to Side (Rear Side)	75 lbf.	115 Lbs	Pass
Side to Side (Front Side)	75 lbf.	115 Lbs	Pass
Front to Rear (Left Side)	75 lbf.	125 lbf.	N/A
Front to Rear (Right Side)	75 lbf.	125 lbf.	N/A

The sample met the acceptance criteria of the test described above. Refer to the following page for photograph.



Leg Strength Test - Setup

20. ARM DURABILITY TEST- CYCLIC:

Dates Tested: 03/15/07 – 03/19/07

Test Procedure:

Test Method: ANSI/BIFMA X5.1-2002; Test No. 20
Load To Each Arm: 90 lbs.
Angle of Force: 10 Degrees from Vertical
Number of Cycles Required: 60,000
Cycles per Minute: 10 to 30
Number of Samples Tested: One (1)

Acceptance Criteria:

Structural breakage or loss of serviceability shall constitute failure. No failure that in any way would cause personal injury to the occupant shall be allowed.

Results:

Sample	Number of Cycles	Description
1	60,000	Pass

The sample met the acceptance criteria of the test described above. Refer to the following page for photograph.



Arm Durability Test- Cyclic



TERMS AND CONDITIONS

1.0 INTRODUCTION

These Terms and Conditions are incorporated into the Intertek proposal made and submitted to you. The party executing this document ("Client") indicates acceptance of this proposal and that it is agreed that a resulting contract exists between Client and Intertek which governs the performance of the stated services and the rights and obligations of the parties and that Intertek may proceed with the work.

2.0 PROPOSAL TERM

Unless otherwise stated in the proposal, this offer shall remain valid until accepted, but in no event for a period longer than thirty days from the date of the proposal.

3.0 CLIENT INFORMATION

Client represents that the information supplied by it or its agents to Intertek is accurate and complete and samples are representative, and Client has informed Intertek concerning any dangerous or potentially dangerous characteristics of such samples which could cause injury during the performance of the work or in the transporting of such samples and Client also acknowledges that Intertek is relying upon such information and samples or data in the preparation of this proposal without further verification by Intertek as to its accuracy or completeness. The Client agrees to hold Intertek harmless and indemnify Intertek from any liability of whatever kind or nature, including but not limited to court costs and reasonable attorneys fees if information provided by the Client is inaccurate or incomplete or samples are not representative. Intertek agrees that information received from the Client shall remain the property of the Client and will be returned to the Client upon demand, except for that which is necessary as a basis for the Intertek Reports. Client may designate in writing any information provided by Client to Intertek as confidential and proprietary. If Client has done so, Intertek will not release to third parties any such information without the prior written consent of the Client or only in response to a proper court order or process. As to that information, Intertek may make and retain copies. Client shall designate in writing to Intertek if it does not wish to have Intertek transmit any information, including test data and Reports, via fax or electronic means.

4.0 PROPOSAL, PRICE AND SCHEDULE

Intertek will work diligently to provide the services according to the costs and schedule stated in the referenced proposal. Client recognizes and agrees that the proposal is a good faith estimate of the costs for the services to be provided and times of completion, but such estimate is not a guarantee of the total costs or time that may be involved in completing the proposal. Intertek will not exceed the authorized estimate of costs without written authorization of Client. Samples will be shipped by Client to Intertek prepaid and will be returned collect or disposed of at Client's expense within thirty (30) days after testing is completed, unless alternative arrangements are made by Client. Additional fees will be charged for unanticipated assembly or preparation of samples. Test services will not be initiated until satisfactory credit has been established with Intertek's accounting department.

5.0 INVOICING

Invoices will generally be issued upon project completion. In certain instances, interim invoices may be issued. Invoices are due and payable to Intertek at its offices, within thirty (30) calendar days after receipt of invoice, and client agrees to pay reasonable collection costs if necessary in the event of non-payment.

6.0 INSURANCE

Intertek declares that it maintains workers' compensation and employer's liability insurance on Intertek employees in a form and amount as required by applicable laws. This insurance does not cover any employees of Client or third parties who may be involved with the work to be performed, whether on property of Intertek, Client or third parties.

7.0 REPORTS

The Client agrees to waive any claim against Intertek and defend, indemnify, and hold Intertek harmless from any and all causes of action, lawsuit, proceedings or claims, including legal fees and expenses incurred by Intertek, allegedly arising as a result of unauthorized use of Intertek's Reports. The Reports include all reports, laboratory test data, calculations, estimates, notes and other documents prepared by Intertek in the course of providing services to the Client. Reports will be made utilizing Intertek's standard format unless otherwise agreed to in writing. The Client agrees to indemnify Intertek for any breach by the Client arising out of clause 3.0 (Client Information) above requiring accurate and complete information and representative samples. Intertek retains any and all rights of ownership of Intertek's concepts, ideas, inventions, patents or copyrights used by Intertek in preparing Intertek's Reports and the provision of services to the Client. Only the client is authorized to copy or distribute this report and then only in its entirety, and the Client shall not use the Reports in a misleading manner. Client further agrees and understands that reliance upon the Reports is limited to the representations made therein. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. If Intertek becomes directly or indirectly involved in litigation as a result of misuse of its Reports, the Client agrees to compensate Intertek for its fees and expenses, including legal costs, in accordance with Intertek's prevailing fee schedule and expense reimbursement policy.

8.0 LIMITED WARRANTY

Intertek warrants that if any of its completed services fail to conform to professional standard, Intertek will, at its own expense, perform corrective services of the type originally performed as may be reasonably required to correct such defects, of which Intertek is notified in writing within six months of the completion of services. No other representation, express or implied, and no warranty or guarantee is included or intended in this Agreement, or in any report, opinion, document or otherwise.

9.0 LIMITS OF LIABILITY

Intertek's liability is limited as follows:

9.1 The Client agrees to limit Intertek's liability arising from Intertek's professional activity, errors, or omissions, such that the total aggregate liability of Intertek shall not exceed Intertek's total fee for the services rendered on the project in question, except in the case of a finding of gross negligence or willful misconduct on the part of Intertek by a court of competent jurisdiction.

9.2 Intertek shall be discharged from all liability to the Client for all claims for loss, damage or expense unless a claim is made within three (3) months of the date at which the damage, defect or alleged non-performance became apparent to the Client, and the process of law served no later than two (2) years from the provision of services by Intertek. -

9.3 Intertek shall not be liable to the Client for any consequential damages incurred by Client due to the fault of Intertek, regardless of the nature of this fault, whether it was committed by Intertek, its employees, agents or subcontractors. Consequential damages include, but are not limited to, loss of use and loss of profit.

9.4 The Client agrees to extend any and all limitations, indemnifications, and waivers provided by the Client to Intertek to those individuals and organizations Intertek retains for proper execution of the work. These shall be deemed to include but are not necessarily limited to Intertek's officers and employees and their heirs and assigns, as well as Intertek's agents, subcontractors and their officers, employees, heirs and assigns.

9.5 Client acknowledges that testing, including sample preparation and transportation, may damage or destroy Client's product. Client agrees to hold Intertek harmless from any and all responsibility for such alteration.

9.6 The Client agrees Intertek shall not be responsible for any injuries to the Client's representatives while attending to or observing testing at Intertek's facility. If testing takes place at the Client's facility, Client agrees that Intertek will not operate and shall not be responsible for any of Client's equipment and that although Intertek agrees to abide by Client's safety procedures, Intertek shall not be responsible for injury to any of Client's personnel.

10.0 GOVERNING LAW

This proposal, and any work performed pursuant to this proposal, shall be governed by the laws of the jurisdiction within which the Intertek facility making the proposal is located. Any action brought hereon shall be venued in said jurisdiction.

11.0 SEVERABILITY

Any provision of this proposal that may be held invalid, void or unenforceable for any reason, shall not affect any other term or condition of this proposal, and such term or condition shall be replaced or interpreted to accomplish the intent of the parties.

12.0 MODIFICATIONS

No modification, waiver or amendment of any of these terms and conditions shall be binding upon Intertek unless identified in writing as to modification, waiver or amendment of such terms and conditions, and such writing is signed by an agent of Intertek acknowledging the modification, waiver or amendment.