



# Test Certificate

This certifies that the following items from the Mobili range:

MB-308 Armchair  
MB-318 2 Seater Sofa  
MB-328 3 Seater Sofa

supplied by Benithem Sdn. Bhd., has been tested at PSB Corporation, on behalf of FIRA International Ltd, and successfully satisfied the applicable stability, strength and durability test requirements from ANSI/BIFMA X5.4: 1997: Lounge Seating – Tests.

FIRA Certificate Ref.: TAPSB00011  
PSB Report Ref.: 54S054050/KLU

SIGNATURE

Phil Reynolds

POSITION

Testing Manager

CERTIFICATE DATE

07 September 2005

For and on behalf of FIRA INTERNATIONAL LIMITED  
Terms and Conditions available on request



*This certificate only relates to the sample(s) supplied and tested at the time. Re-testing at intervals is recommended and should be subject to agreement between the supplier and the purchaser.*

# TEST REPORT



Your Ref: -

Date: 7 Sep 2005

Our Ref: 54S054050/KLU

Page: 1 of 5

DID: 6885 1414

Fax: 6779 3903

**NOTE:** This report is issued subject to PSB Corporation's "Terms and Conditions Governing Technical Services". The terms and conditions governing the issue of this report are set out as attached within this report.

## Subject:

Testing of sofa submitted by Benithem Sdn. Bhd. on 28 Jul 2005.

## Tested for:

Benithem Sdn. Bhd.  
No. 33, Jalan Industri 1  
Taman Perindustrian Pekan Nanas  
81500 Pekan Nanas  
Pontian, Johor  
West Malaysia  
Tel: 607-6996668  
Fax: 607-6992655  
Attn: Ms. Dyphne Wong

## Date of test:

29 Jul 2005 – 07 Sep 2005

## Description of sample:

Two pieces of sofa as shown in the photograph were received. The following descriptions were given by the client :

Brand/Model/Serial No : Mobili / MB-308, MB-318 and MB-328  
Country of Origin : Malaysia

KIA SL



**Method of test:**

As requested by the client, the tests were conducted in accordance with the following standard:

ANSI/BIFMA X5.4 – 1997 "Lounge Seating – Tests"

**Results:**

Clause	Test	Description	Results	Requirement
5	Back Strength Test – Horizontal – Static	Functional load: 667N Proof load: 1112N Duration: 1 min	Passed	Functional load: No loss of serviceability Proof load: No sudden and major change in the structural integrity of the unit. Loss of serviceability is acceptable
6	Back Strength Test – Vertical – Static	Functional load: 890N Proof load: 1334N Duration: 1 min	Passed	
7	Back Durability Test – Horizontal – Cyclic	Seat weight: 45kg Applied load: 334N Cycles: 120,000 Rate: 5-40 cycles/min	Passed	No loss of serviceability
8	Back Durability Test – Vertical – Cyclic	Applied load: 890N Cycles: 10,000 Rate: 5-40 cycles/min	Passed	
9	Arm Strength Test – Horizontal – Static	Functional load: 677N Proof load: 890N Duration: 1 min	Passed	Functional load: No loss of serviceability Proof load: No sudden and major change in the structural integrity of the unit. Loss of serviceability is acceptable
10	Arm Strength Test – Vertical – Static	Functional load: 890N Proof load: 1334N Duration: 1 min	Passed	
11	Arm Durability Test – Horizontal – Cyclic	Applied load: 445N Cycles: 50,000 Rate: 5-40 cycles/min	Passed	No loss of serviceability
12	Arm Durability Test – Vertical – Cyclic	Applied load: 890N Cycles: 10,000 Rate: 5-40 cycles/min	Passed	
13	Seating Impact Test – Cyclic	Seat load: 57kg Unloaded seats: 102kg Cycles: 100,000 Rate: 5-40 cycles/min	Passed	No loss of serviceability
14	Drop Test – Dynamic	Functional load: 102kg Proof load: 136kg Drop ht: 152mm (6in)	Passed	Functional load: No loss of serviceability Proof load: No sudden and major change in the structural integrity of the unit. Loss of serviceability is acceptable
15	Structural Durability Test – Cyclic	Seat weight: 102kg Applied load: 445N Cycle: 100,000 Rate: 5-40 cycles/min	Passed	No loss of serviceability

*KA SL*

**Results (Con't):**

Clause	Test	Parameters	Results	Requirement
16	Base Test – Static	Applied load: 11,120 N Duration: 1 min Cycles: 2	N/A	No loss of serviceability to the base
17	Leg Strength Test – Front and Side Application			
	Front	Functional load: 334 N (1-seater) 392 N (2-seater) Proof load: 556N Duration: 1 min	Passed	Functional load: No loss of serviceability  Proof load: No sudden and major change in the structural integrity of the unit. Loss of serviceability is acceptable
	Side	Functional load: 334 N (1-seater) 392 N (2-seater) Proof load: 556N Duration: 1 min	Passed	
18	Unit Drop Test – Dynamic	Functional height: 305mm Cycles: 3  Proof height: 610mm Cycles: 1	Passed	Functional load: No loss of serviceability  Proof load: No sudden and major change in the structural integrity of the unit. Loss of serviceability is acceptable
19	Unit Base and Caster Test – Cyclic			
	Durability	Loading weight: 136kg Cycles: 100,000 (Hard) Cycles: 36,000 (Soft) Rate: 9±1 cycles/min	N/A	No loss of serviceability
	Caster Retention	Applied load 22N		Caster shall not separate from base
20	Swivel Test – Cyclic	Seat weight: 102kg Cycles: 120,000 Rate: 5-15 cycles/min	N/A	No loss of serviceability
21	Tilt Mechanism Test – Cyclic	Seat weight: 102kg Cycle: 200,000 Rate: 5-40 cycles/min	N/A	No loss of serviceability
22	Stability Tests			
	a) Rear Stability	Seat weight: 78kg	Passed	Force required for front support to lift off shall be more than: 133N x no. of seatings
	b) Front Stability	Force angle: 45°±5°	Passed	Force required for rear support to lift off shall be more than: 40% of total unit weight



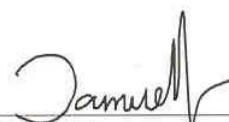


Mobili MB-308



Mobili MB-318

  
Kelvin Lau  
Associate Engineer

  
Samuel Lew  
Engineer  
Consumer & Safety Products  
Testing Group

# TEST CERTIFICATE



This Certificate is issued to

Benithem Sdn Bhd  
No. 33, Jalan Industri 1  
Taman Perindustrian Pekan Nanas  
81500 Pekan Nanas  
Pontian, Johor  
Malaysia

## FOR

Product: Sofa

Brand/Model: Mobili/MB-308, MB-318 & MB-328

Detail: -

Specification: ANSI/BIFMA X5.4 - 1997

Test Report: 54S054050/KLU

## Summary

A sample of the product/equipment has been tested and is found to comply with the requirements of the above standard(s).

A handwritten signature in black ink, appearing to read 'Cherifan', written over a horizontal line.

**Vice-President**  
Certification & Inspection

Certificate No:

01631

Date of Original Issue:

12/09/2005

Date of Last Revision:

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Date of Expiry:

30/09/2007