

Test Report No. 7191010720-MEC11-OCS
dated 22 Jun 2011



PSB Singapore

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Subject:

Testing of Office Chair submitted by Merryfair Chair System Sdn Bhd on 30 May 2011.

Tested For:

Merryfair Chair System Sdn Bhd
No 2, Jalan Koporat 1/KU9, Taman Perindustrian Meru,
42200 Klang, Selangor D.E.
Malaysia

Date of Test:

08 Jun 2011 to 22 Jun 2011

Description of Sample:

Two complete set of office chair as shown in the photograph 1 were received. The following descriptions were given by the client:

Brand/Model : Sitool
Product Type : Office Chair
Country of Origin : Malaysia

Method of Test:

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

ANSI/BIFMA X5.1 – 2002 "General-Purpose Office Chairs – Tests"

- a) Clause 8 – Drop Test – Dynamic
- b) Clause 9 – Swivel Test – Cyclic
- c) Clause 11 – Seating Durability Test – Cyclic – Impact Test



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Results:

Clause	Test	Parameters	Results	Requirement
8	Drop Test – Dynamic	Highest seat position: Functional load: 102kg Proof load: 136kg Drop ht: 152mm Lowest seat position: Functional load: 102kg Proof load: 136kg Drop ht: 152mm	Passed	Functional load: No loss of serviceability Proof Load: No sudden & major change in structural integrity. Loss of serviceability is acceptable
9	Swivel Test – Cyclic	Seat load: 102kg Cycles: 60000 highest position 60000 lowest position Rate: 5-15 cycles/min	N/A	No loss of serviceability
11	Seating Durability Test – Cyclic - Impact Test	Seat load: 57kg Drop ht: 25mm (1in) Cycles: 100000 Rate: 10-30 cycles/min	Passed	


Gavin Ong
Associate Engineer


Chin Fook Onn
Product Manager
Consumer & Safety Products
Mechanical Centre



Photograph 1: Sitool



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March 2010