



Mechanical & Hardgoods Lab

# TEST REPORT

Report No. : HL30064/2009

Page : 1 of 2

Date : MAR. 16, 2009

## Hun Tai Plastic Co., Ltd.

No. 15, Annan Lane, Chinling Village, Hsiushui Hsiang, Changhua Hsien, Taiwan 504

The following merchandise was submitted and identified by the applicant as:

Type of Product: CHAIR BASE CASTER

Style/Item No: HT - 3850 PP

Manufacturer/Vendor: Hun Tai Plastic Co., LTD.

Country of Origin: Taiwan

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required: For compliance with ANSI/BIFMA X5.1-2002 General-Purpose Office Chairs-Tests Sect. 17 Caster/Chair Base Durability Test - Cyclic


Test Method: According to ANSI/BIFMA X5.1-2002 General-Purpose Office Chairs-Tests.

Test Results: ---See attached sheets---

Conclusion: In our opinion, the submitted sample complies with Sect. 17 of ANSI/BIFMA X5.1-2002 General-Purpose Office Chairs-Tests

Testing Period: MAR. 05, 2009 ~ MAR. 16, 2009

**Signed for and on behalf of  
SGS Taiwan Ltd.**

  
Benson Liao  
Asst. Manager

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TW 8033367

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Report No. : HL30064/2009

Page : 2 of 2

Test Result: ASNI /BIFMA X5.1-2002 General-Purpose Office Chairs-Tests  
Sect. 17 Caster/Chair Base Durability Test – Cyclic:

Base on subsection 17.1.4 a) test procedures (Durability Cycling) Pass

--- Attach the chair base with the casters to a cycling device and apply 225 lbs. load to the chair base and operate the machine on  
(1) smooth, hard surface without obstacles for 98,000 cycles  
(2) smooth, hard surface with obstacles for 2,000 cycles  
at 10±2 cycles per minute. (one cycle consist of a forward and backward stroke – the length of stroke is 30 inches)  
Requirements: No structural failure or loss of serviceability.

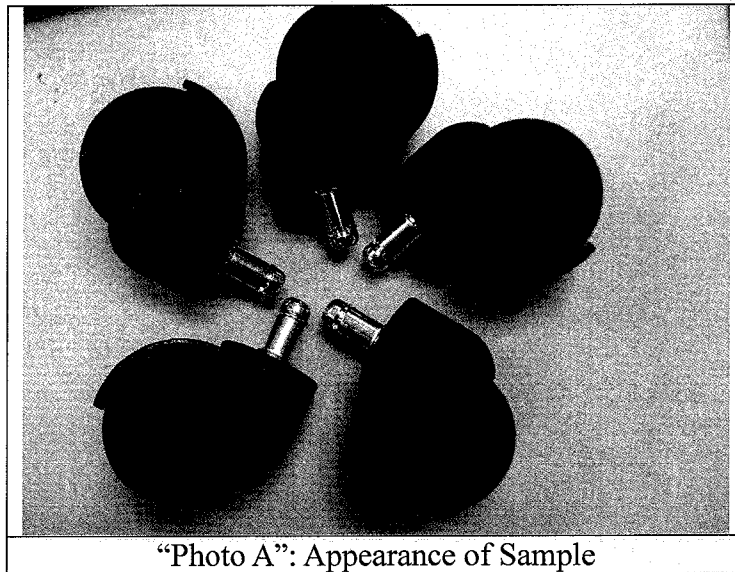
Base on subclause 17.1.4 b) test procedures (Caster Retention) Pass

--- At conclusion of durability cycling, apply a load of 5 lbf. to each caster in line with the caster stem centerline.

Requirements:

No part of the caster shall separate from the base as a result of the application of 5 lbf. Force

– Picture –



--- End of Report ---

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