



Mechanical & Handgoods Lab

# TEST REPORT

Report No. : HLD0629/2008  
Page : 1 of 2  
Date : JAN. 09, 2009

## HUN TAI PLASTIC CO., LTD.

47-7, Annan Lane, Chinling Village, Hsiushui Hsiang, Changhua Hsien, Taiwan 504

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

Product Description: CHAIR BASE CASTER  
Style/Item No: HT-1760  
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 Requested: 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: 2008/12/31 ~ 2009/01/09

Signed for and on behalf of  
SGS Taiwan Ltd.

Brian Huang  
Team Leader

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

TW7708810

## TEST REPORT

Report No. : HLD0629/2008

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.

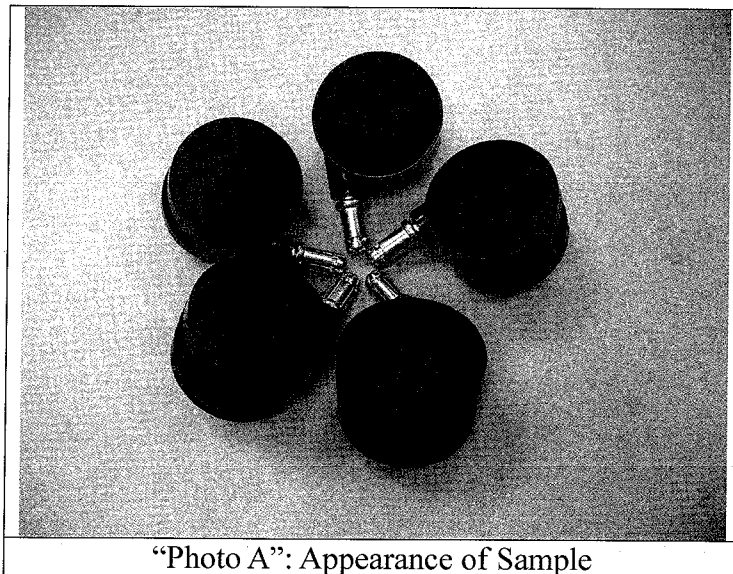
Base on subclause 17.1.4 b) test procedures (Caster Retention) Pass

--- 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 –



“Photo A”: Appearance of Sample

--- End of Report ---

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

TW7708809

## TEST REPORT

報告號碼： HLD0629A/2008

頁數： 1 of 2

日期： 2009年01月09日

宏泰塑膠企業股份有限公司  
彰化縣秀水鄉金陵村安南巷 47-7 號

以下測試樣品係由客戶所提供及確認：

產品名稱： 椅輪  
產品型號： HT-1760  
生產或供應商名稱： 宏泰塑膠企業有限公司  
原產國： 台灣

我們依照客戶的要求，根據客戶送交之樣品進行測試結果如下：

測試要求： 符合美國 ANSI/BIFMA X5.1-2002 一般用途辦公椅試驗  
第 17 項 椅輪耐久性測試-- 往復

測試方法： 依照美國 ANSI/BIFMA X5.1-2002 一般用途辦公椅試驗

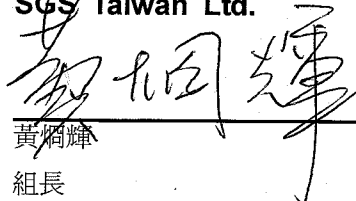
測試結果： --- 詳 附 頁 ---

結論： 由客戶送測之樣品經過測試符合美國 ANSI/BIFMA X5.1-2002 第十七項  
一般用途辦公椅試驗之規格要求。

試驗日期： 2008/12/31 ~ 2009/01/09

※本試驗報告，翻譯僅供參考，實際試驗內容以規範為主。

Signed for and on behalf of  
SGS Taiwan Ltd.

  
黃煥輝  
組長

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

TW7708807

測試結果： 美國 ANSI/BIFMA X5.1-2002 一般用途辦公椅試驗

### 17. 椅輪耐久性測試 -- 往復

依照 17.1.4a 節之程序進行試驗(椅輪耐久性)

通過

--225磅的荷重於椅輪，且測試中基座及輪子必須可以自由的滾動和轉動。

--調整循環裝置行程至30英寸的距離以每分鐘 $10 \pm 2$ 次之速度進行測試，  
每一循環包括前進和後退

1) 置於光滑硬質平面上，循環98,000次。

2) 置於光滑硬質平面上附加高3.2mm擋塊，循環2,000次。

規範要求：輪子不能有任何破壞和使用性之損失。

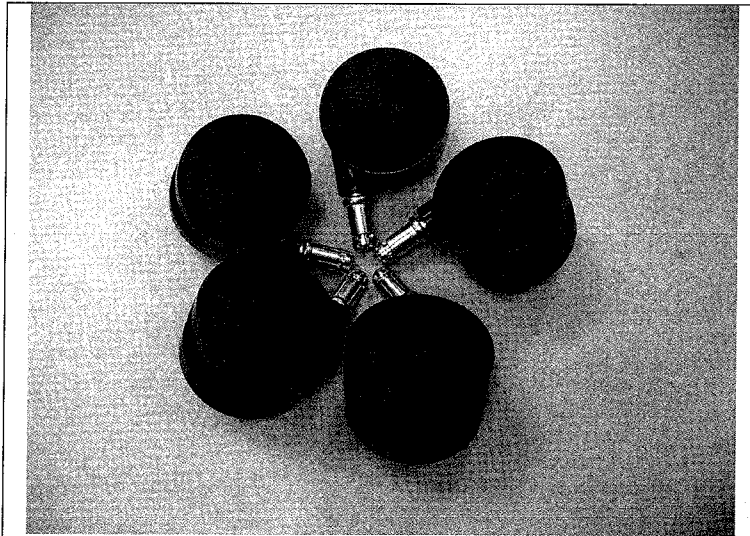
依照17.1.4b節之程序進行試驗(輪子緊度性)

通過

--在耐久性測試結束後，施以 5磅的拉力至輪軸上。

規範要求：輪子與軸不可分離。

- 照片 -



“照片 A” (樣品外觀)

---以下空白---

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部份複製。

This Test Report is issued by the Company under its General Conditions of Service printed overleaf or available on request and accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this Test Report is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

TW7708806