



TEST REPORT

Mechanical & Hardgoods Lab

Report No. : HL90447A/2009

Page : 1 of 2

Date : OCT. 30, 2009

Optimal Medical Co., Ltd.

No. 11, 1F, Lane 235, Guo-an 1st Rd., Situn District, Taichung, Taiwan

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

Product Description: Cane
Style/Item No.: XXL-CRUTCH
Manufacturer/Vendor: Optimal Medical 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 BS EN ISO 11334-1 Walking aids manipulated by one arm –
Requirements and test methods – Part 1: Elbow crutches
Clause No. : 5.5 Static Loading Tests

Test Methods & Test Results:

---See attached sheets---

Received Date: SEP. 22, 2009

Testing Period: OCT. 30, 2009

Signed for and on behalf of
SGS Taiwan Ltd.

Benson Liao
Asst. Manager

Test Results: *BS EN ISO 11334-1 Walking aids manipulated by one arm – Requirements and test methods – Part 1: Elbow crutches*



Figure 1 Appearance of the sample

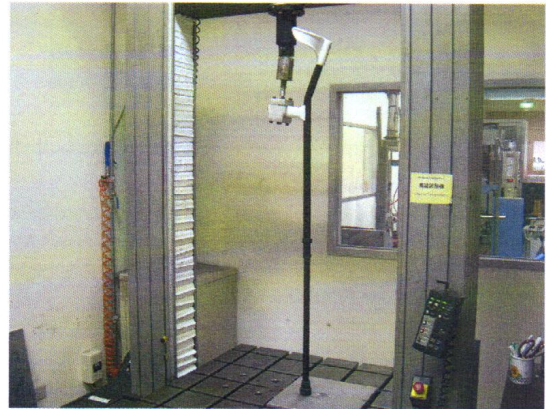


Figure 2 Static loading test

5.5 Static Loading Tests

Pass

Apply the loading force to the fully extended crutch as specified in 5.3.1.

Apply a static force of 3,188 N (325 kgf) $\pm 2\%$. Apply this force gradually over a minimum period of 5 s up to maximum force and keep it at maximum force for 10 s. If the maximum mass of the user specified for the crutch deviates from the standard maximum user mass of 100 kg, apply a force of 10 N/kg of the maximum mass of the user $\pm 2\%$. The force shall not be less than 500 N $\pm 2\%$

Inspect the crutch for cracks or breakages. Note visual cracks, breakages and if the crutch cannot stand the load.

Finding: No visual crack or breakage was found after testing.

Figure Index:

Figure 1 : Appearance of the sample

Figure 2 : Static loading test

--- End of Report ---