



Mechanical & Hardgoods Lab

TEST REPORT

Report No. : HL90076B/2009

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Date : OCT. 26, 2009

Optimal Medical Co., Ltd.

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

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

Product Description: Wheelchair
Style/Item No.: Mini maxx
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 Clause 10.4 Two-drum test of ISO 7176-8: 1998 Wheelchairs — Part 8:
Requirements and test methods for static, impact and fatigue strengths

Test Procedure:

Test according to Clause 10.4 Two-drum test of ISO 7176-8: 1998 Wheelchairs — Part 8:
Requirements and test methods for static, impact and fatigue strengths.

Test Equipments:

- Test Dummy of 200 kg (440 lb)
- Two-Drum Test Machine

Test Results:

--- See attached sheets ---

Testing Periods: SEP. 03, 2009 ~ OCT. 26, 2009

Signed for and on behalf of
SGS Taiwan Ltd.

Benson Liao
Asst. Manager

Test Results: *ISO 7176-8: 1998 Wheelchairs –Part 8: Requirements and test methods for static, impact and fatigue strengths*

10.4 Two-drum test

Pass

10.4.2 Manual wheelchair tests

Operate the mechanism the machine so that the ‘reference’ drum surface runs at $1.0 \text{ m/s} \pm 0.1 \text{ m/s}$. If the speed of the machine coincides with a resonant frequency of the wheelchair adjust the speed within the range $1.0 \text{ m/s} \pm 0.1 \text{ m/s}$ to avoid resonance.

Run the machine until the “reference drum” has completed 200,000 revolutions or any higher figure claimed by the manufacturer and then stop the test.

(Test dummy of 200 kg requested by the client.)

– Picture Page –



Photo “A”: Appearance of the sample

--- End of Report ---