

TEST REPORT

REPORT NO.: 2017EEA0564

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Applicant : Hydro One Marketing Sdn. Bhd.
32, Jalan BRP 6, Taman Bukit Rawang Putra,
48000 Rawang Selangor

Manufacturer : Hydro One Marketing Sdn. Bhd.

Product : ELECTRIC STORAGE WATER HEATER

Reference Standard / Method of test : MS IEC 60335-1:2015 and
MS 1597-2-21:2015

Description of sample : Brand :  Solarwave

Model : S80

Rating Voltage : 220 - 240 V
Frequency : 50 Hz
Power : 2.8 kW
Capacity : 400 litres (80 gallon)

Operating Condition : Open outlet (Low pressure type)

Serial No. : Nil

Date received of Complete Application : 31 MARCH 2017

Job No. : J20171420303

Overall test result : **COMPLIED (See page 2 for details)**

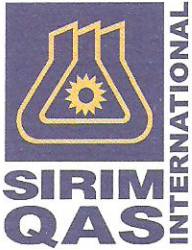
Issued date : **24 JUL 2017**

Approved signatories;


.....
(AMY SURAYA ABU SAMAH)
Testing Executive




.....
(M. ZAMRI MUSTAFFA)
Head
Electrical & Electronic 1 Section
Testing Services Department



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TEST REPORT

REPORT NO.: J20131270004

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Applicant : **HYDRO ONE MARKETING SDN. BHD.**
No. 32 Jalan BRP 6,
Taman Bukit Rawang Putra,
48000 Rawang,
Selangor. Malaysia.

Manufacturer : Same as Applicant.

Product : **SOLAR WATER HEATER**

Reference Standard /
Method of test : **Manufacturer's Specification.**

Description of sample : Brand Name : **SOLARWAVE**
Model / Type : S60
Serial No. : N/A
No. of Samples : 1 unit.

Date received : 03/01/2013

Job No./Ref.No. : J 20131270004

Description of overall
test result : The test sample as described in this test report complied with the
requirement of the above Reference Standard.

Issued date : **07 JAN 2013**

Approved Signatories

(MOHD ALIF MOHD YUSOFF)
Testing Executive

(HAJI MOHD ADZHAR AHMAD)
Head,
Mechanical Section (MST),
Testing Services Department



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1. INTRODUCTION

The purpose of the test is to evaluate the strength of the Solar Water Heater by conducting a hydrostatic pressure test.

2. TEST OBJECTIVE

1 (one) unit of test sample to be tested for hydrostatic pressure test up to 3 bar and observe for any leakage or any other significant deformation.

3. TEST PROCEDURE

- 3.1 Fix the test sample with the end connection/flange provided by the applicant.
- 3.2 Two (2) pressure gauges to be installed at the inlet and outlet connection of the sample.
- 3.3 Observe the condition of test samples for any deformation before test.
- 3.4 Expel all air.
- 3.5 Apply internal water pressure up to 3 bar.
- 3.6 Sustain the test pressure for the duration of 10 minutes.
- 3.7 After the test, observe and record for any leakage, deformation or burst on the test sample.

4. TEST EQUIPMENT

- 4.1 Pressure gauge.
 - 4.1.1 Equipment Identification No: 2012-4153 (Inlet), 2012-4155 (Outlet)
 - 4.1.2 Calibration due date: 26/11/2013 (Inlet & Outlet)

5. TEST RESULTS AND SUMMARY:

No.	Test Description	Observation Before Test	Observation After Test
1.	Type of Test: Hydrostatic Pressure Test Pressure: 3 bar Duration: 10 minutes.	No crack or any significant deformation observed on test sample.	Complied. No leakage or deformation was observed on the test sample at 3 bar for the duration of 10 minutes.

Signature

