



# TEST REPORT

**Applicant** : SPECTOR & CO  
**Address** : 5700 KIERAN ROAD, ST. LAURENT, QUEBEC, Canada H4S 2B5  
**Supplier** : DINS **Vendor Code** : USD043  
**Report No** : 140923035SZN-004 **Issue Date** : Dec 31, 2014

## Sample Description

**Type of Product** : Power bank  
**Brand** : /  
**Model No. of Product** : T120  
**Date of Received** : Sep. 24, 2014  
**Date of test Conducted** : Dec 8, 2014 – Dec 22, 2014

## Test

**Test Method** : UN38.3 Test T.7  
**Sample quantity** : 1  
**Test Observation:** : See pages 2-4 for details.  
**Remark** : When determine the test result, measurement uncertainty has been considered.

\*\*\*\*\* End of page \*\*\*\*\*

Tested By

Approved by:

*Signed on file*

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David Huang  
Project Engineer

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Derek Qin  
Project Engineer

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|                                                                                       | Battery information |  |
|---------------------------------------------------------------------------------------|---------------------|--|
| Battery category ..... : Lithium Ion                                                  |                     |  |
| Manufacturer ..... : Shenzhen huayou macro industry new energy<br>technology CO., Ltd |                     |  |
| Type / model ..... : 2P18650                                                          |                     |  |
| Voltage ..... : 3.6V                                                                  |                     |  |
| Capacity ..... : 4400mAh                                                              |                     |  |
| Tested and Certified by (incl. Ref. No.) : /                                          |                     |  |
| Circuit protection diagram: Not provided                                              |                     |  |

### 38.3.4.7 Test T.7: Overcharge

#### 38.3.4.7.1 Purpose

This test evaluates the ability of a rechargeable battery to withstand an overcharge condition.

#### 38.3.4.7.2 Test procedure

The charge current shall be twice the manufacturer's recommended maximum continuous charge current. The minimum voltage of the test shall be as follows:

(a) when the manufacturer's recommended charge voltage is not more than 18V, the minimum voltage of the test shall be the lesser of two times the maximum charge voltage of the battery or 22V.

(b) when the manufacturer's recommended charge voltage is more than 18V, the minimum voltage of the test shall be 1.2 times the maximum charge voltage.

Tests are to be conducted at ambient temperature. The duration of the test shall be 24 hours.

#### 38.3.4.7.3 Requirement

Rechargeable batteries meet this requirement if there is no disassembly and no fire during the test and within seven days after the test.

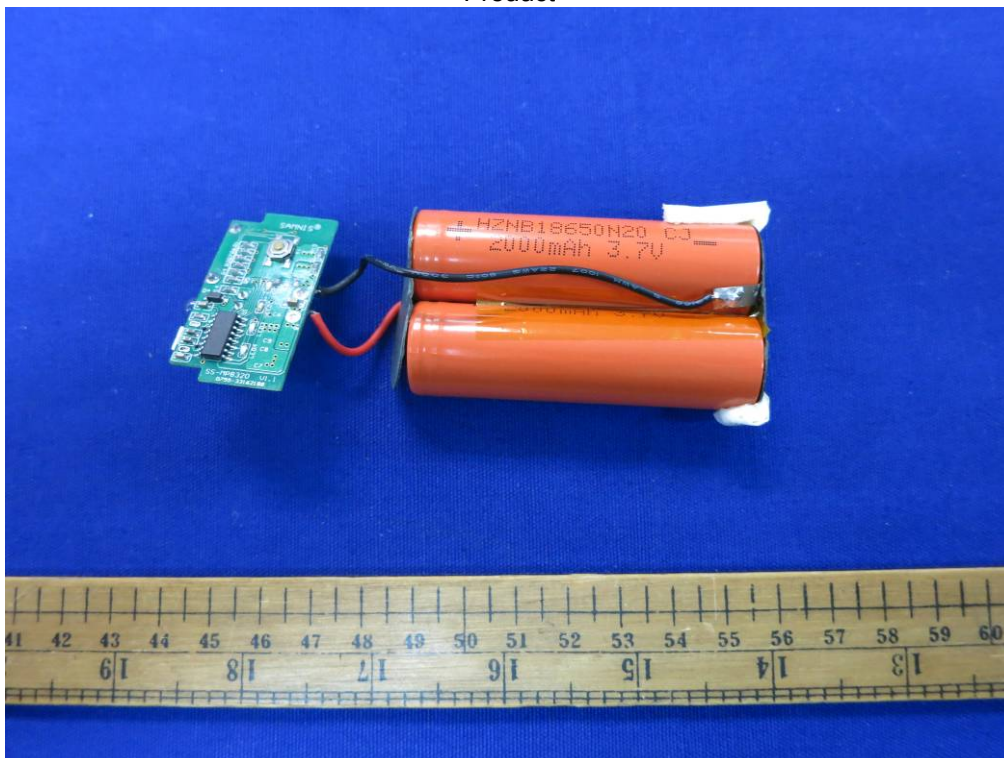
#### Result:

The battery is no disassembly and no fire during the test and within seven days after the test

**Photo:**



**Product**



**Battery**