



TEST REPORT

Applicant : SPECTOR & CO
Address : 5700 KIERAN ROAD, ST. LAURENT, QUEBEC, Canada H4S 2B5
Supplier : Brand New Days **Vendor Code** : USB034
Report No : 140923034SZN-003 **Issue Date** : Dec 31, 2014

Sample Description

Type of Product : Power bank
Brand : /
Model No. of Product : T119
Date of Received : Sep. 24, 2014
Date of test Conducted : Dec 8, 2014 – Dec 22, 2014

Test

Test Method : UL2054 Clause 9, Clause 10 & Clause 11
Sample quantity : 2
Test Observation: : See pages 2-7 for details.
Remark : When determine the test result, measurement uncertainty has been considered.

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Tested By

Approved by:

Signed on file

David Huang
Project Engineer

Derek Qin
Project Engineer

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	Battery information	
<div data-bbox="146 369 1442 683"><div>Battery category : Li- ion</div><div>Manufacturer : Gemei Energy Co., Ltd.</div><div>Type / model : 18650</div><div>Voltage : 3.7V</div><div>Capacity : 2200mAh</div><div>Tested and Certified by (incl. Ref. No.) : /</div><div>Circuit protection diagram: Not provided</div></div>		

Clause	Requirement + Test	Result - Remark	Verdict
9	External Short Circuit with Component Faulting	(see appended tables 9)	P
	Short Circuit at 25°C		P
	Short Circuit at 55°C		NA
10	Abnormal Charge with Component Faulting	(see appended tables 10)	P
	Method - primary batteries		NA
	Method - secondary cells		NA
	Method - Secondary battery packs		P
11	Abusive Overcharge with Component Faulting	(see appended tables 11)	P

Results Key

-	For information only
P	Pass
F	Fail
NA	Not applicable

9	TABLE: Short-Circuit Test					P
Ambient temperature: 20.2°C						
Sample Model No.	T119	/	/	/	/	
Failure Mode	Yes	/	/	/	/	
Battery case temp. (°C)	31.1	/	/	/	/	
Faulted Protective Device						
Ambient temperature: 55.9°C						
Sample No.	T119	/	/	/	/	
Battery surface temp. (°C)	/	/	/	/	/	
Failure Mode	/	/	/	/	/	
Faulted Protective Device						
Supplementary information:						
No explosion or fire, or chemical leak;						
Tmax was recorded on the centre of the outside case.						
The temperature of the internal cell casings does not exceed 150°C (302°F).						

10	TABLE: Abnormal Charging Test					P
Ambient temperature: 20.2°C						
Sample Model No.	T119	✓	✓	✓	✓	
Failure Mode	Yes	✓	✓	✓	✓	
Battery case temp. (°C)	33.7	✓	✓	✓	✓	
Faulted Protective Device						
Supplementary information: No explosion or fire, or chemical leak; Tmax was recorded on the centre of the outside case;						

11	TABLE: Abusive Overcharge Test					P
Ambient temperature: 20.2°C						
Sample Model No.	T119	✓	✓	✓	✓	
Battery case temp. (°C)	20.0	✓	✓	✓	✓	
Failure Mode	Yes	✓	✓	✓	✓	
Battery case temp. (°C)	34.0	✓	✓	✓	✓	
Faulted Protective Device						
Supplementary information: No explosion or fire; Tmax was recorded on the centre of the outside case; Faulted Protective Device*: the MOS is bypassed during the test. The current cut-off was used in protective circuit and it was reset 10 times during the test. The battery have plastic or metal case.						

Photo:



Product



Battery