



# TEST REPORT

**Applicant** : SPECTOR & CO  
**Address** : 5700 KIERAN ROAD, ST. LAURENT, QUEBEC, Canada H4S 2B5  
**Supplier** : DINS **Vendor Code** : USD043  
**Report No** : 140923033SZN-002 **Issue Date** : Dec. 18, 2014

### Sample Description

*Type of Product* : Power bank  
*Brand* : /  
*Model No. of Product* : T113  
*Date of Received* : Sep. 24, 2014  
*Date of test Conducted* : Dec. 8, 2014 – Dec 17, 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

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Simon Sun

Project Engineer

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Clause	Requirement + Test	Result - Remark	Verdict
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<b>Battery information</b>			
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Battery category .....	: Lithium polymer
Manufacturer .....	: Dongguan General Exploring Battery Technology CO., LTD.
Type / model.....	: GEB5070100C1
Voltage .....	: 3.7V
Capacity.....	: 8000mAh
Tested and Certified by (incl. Ref. No.). :/	
Circuit protection diagram:	Not provided

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		N
10	Abnormal Charge with Component Faulting	(see appended tables 10)	P
	Method - primary batteries		N
	Method - secondary cells		N
	Method - Secondary battery packs		P
11	Abusive Overcharge with Component Faulting	(see appended tables 11)	P



Clause	Requirement + Test	Result - Remark	Verdict
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9	TABLE: Short-Circuit Test				P
Ambient temperature: 20.2°C					
Sample Model No.	T113	/	/	/	
Battery case temp. (°C)	20.0	/	/	/	
Failure Mode	Yes	/	/	/	
Battery case temp. (°C)	32.4	/	/	/	
Faulted Protective Device					
Ambient temperature: 55.9°C					
Sample No.	T113	/	/	/	
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).					

Clause	Requirement + Test	Result - Remark	Verdict
<b>10</b>	<b>TABLE: Abnormal Charging Test</b>		<b>P</b>
Ambient temperature: 20.2°C			
Sample Model No.	T113	✓	✓
Battery case temp. (°C)	20.2	✓	✓
Failure Mode	Yes	✓	✓
Battery case temp. (°C)	30.8	✓	✓
Faulted Protective Device			
Supplementary information: No explosion or fire, or chemical leak; Tmax was recorded on the centre of the outside case;			



Clause	Requirement + Test	Result - Remark	Verdict
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11	TABLE: Abusive Overcharge Test				P
Ambient temperature: 20.2°C					
Sample Model No.	T113	✓	✓	✓	
Battery case temp. (°C)	20.0	✓	✓	✓	
Failure Mode	Yes	✓	✓	✓	
Battery case temp. (°C)	33.4	✓	✓	✓	
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.					

Clause	Requirement + Test	Result - Remark	Verdict
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Photo:



Product



Battery