



TEST REPORT

Applicant : SPECTOR & CO
Address : 5700 KIERAN ROAD, ST. LAURENT, QUEBEC, Canada H4S 2B5
Supplier : Vitebo **Vendor Code** : /
Report No : 141103007SZN-019 **Issue Date** : 26 Mar. 2015

Sample Description

Type of Product : Bluetooth speaker
Brand : /
Model No. of Product : T1017
Date of Received : 19 Mar. 2015
Date of test Conducted : 20 Mar. 2015 - 25 Mar. 2015

Test

Test Method : UL2054 Clause 9, Clause 10 & Clause 11
Sample quantity : 2
Test Observation: : See pages 2-5 for details.
Remark : When determine the test result, measurement uncertainty has been considered.

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

Tested By

Approved by:

Signed on file

Junpon Hu
Engineer

Simon Sun
Project Engineer

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Battery information	
Battery category	Lithium Ion
Manufacturer	SHENZHEN GUOJU ELECTRONICS CO.,LTD
Type / model.....	883535
Voltage	3.7V
Capacity	1050mA
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

9	TABLE: Short-Circuit Test				P
Ambient temperature: 23.3°C					
Sample Model No.	T1017	/	/	/	/
Battery case temp. (°C)	/	/	/	/	/
Failure Mode	Yes	/	/	/	/
Battery case temp. (°C)	Case 1:	23.5	Case 2:	23.4	/
Faulted Protective Device					
Ambient temperature: 55.9°C					
Sample No.	T1017	/	/	/	/
Battery surface temp. (°C)	/	/	/	/	/
Failure Mode	/	/	/	/	/
Faulted Protective Device					
<p>Supplementary information:</p> <p>No explosion or fire, or chemical leak;</p> <p>Tmax was recorded on the centre of the outside case.</p> <p>The temperature of the internal cell casings does not exceed 150°C (302°F).</p>					

10	TABLE: Abnormal Charging Test				P
Ambient temperature: 23.3°C					
Sample Model No.	T1017	/	/	/	/
Battery case temp. (°C)	/	/	/	/	/
Failure Mode	Yes	/	/	/	/
Battery case temp. (°C)	Case 1:	32.4	Case 2:	32.0	/
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: 23.3°C					
Sample Model No.	T1017	✓	✓	✓	✓
Battery case temp. (°C)	✓	✓	✓	✓	✓
Failure Mode	Yes	✓	✓	✓	✓
Battery case temp. (°C)	Case 1:	26.8	Case 2:	26.6	✓
Faulted Protective Device					
<p>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.</p>					

Photo:



Product



Battery