



## Test Report

No.: T31820211159SC

Date: MAR 29, 2018

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BIC GRAPHIC  
14421 MYERLAKE CIRCLE CLEARWATER PINELLAS FL33760 UNITED STATES

The following samples were submitted and identified on behalf of the client as:

LOGO LED LIGHT UP KEYLIGHT

SGS Case No.	:	CA318202122419
Item No.	:	21221
Test Request Form No.	:	1707_HK
Quantity Submitted	:	12 PCS OF 4 STYLES
Manufacturer Date	:	2018
Shipment Order No.	:	PO 7047210
Country of Origin	:	CHINA
Country of Destination	:	CANADA, UNITED STATES
Sample Receiving Date	:	MAR 16, 2018
Test Performing Date	:	MAR 16 - 22, 2018

Test Requested : Please refer to the result summary.

Test Method & Results : Please refer to next page(s).

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Result Summary :

Test Requested	Conclusion
<b>1. As Per Client's Requirement</b>	--
a. Lead content in Textiles and Plastic	PASS
<b>2. Lead content in Metal</b>	PASS
<b>3. Canada Consumer Product Safety Act (S.C. 2010, c. 21), Surface Coating Materials Regulations (SOR/2016-193)</b>	--
a. Lead content	PASS
b. Mercury content	PASS
<b>4. CPSIA section 101(f)(1), US 16 CFR 1303 and US California Proposition 65 (Superior Court of California – County of Alameda Case No. RG07356892) – Lead in paint/similar surface coating material</b>	PASS
<b>5. US Public Law 104-142 (1996) Title II – Mercury-Containing Battery Management Act – Mercury Content</b>	PASS

Conclusion	:	PASS	X
		FAIL	
		INCONCLUSIVE	

Signed for and on behalf of  
SGS Hong Kong Ltd.



Che Wai Leuk, Jerry  
Technical Manager

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Test Results (Cont'd) :

### 1. Client's Requirement

a. Lead content in Textiles and Plastic

Method : With reference to EPA 3050B. Analysis was performed by Atomic Absorption Spectrometry or Inductively Coupled Argon Plasma – Atomic Emission Spectrometry.

Test Item	Result (ppm)	Reporting Limit (ppm)	Client's Limit (ppm)
	1 - 4		
Lead (Pb)	ND	20	100
<b>Comment</b>	PASS	--	--

#### Sample Description :

1. Black Plastic (Battery Case) (#5-21221 Black Plastic Battery Insulator)
2. Black Plastic (On/Off Button) (#6-21221 Black On/ Off Button)
3. Transparent Plastic (Window) (#8-21221 Clear PS Plastic Window)
4. White Plastic (Body) (#10-21221 ABS Plastic Body)

Note : 1. ppm = parts per million  
2. ND = Not Detected

Remark: Material information of the sample is provided by the client.

### 2. Lead content in Metal

Method : With reference to EPA 3050B, followed by analysis using Atomic Absorption Spectrometry (AAS).

Test Item	Result (ppm)	Reporting Limit (ppm)	Client's Limit (ppm)
	1		
Lead (Pb)	ND	20	100
<b>Comment</b>	PASS	--	--

#### Sample Description :

1. Silvery Metal (Key Ring) (#7-21221 Silvery Metal Key Ring)

Note : 1. ppm = parts per million  
2. ND = Not Detected

Remark: Material information of the sample is provided by the client.

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Test Results (Cont'd) :

### 3. Canada Consumer Product Safety Act (S.C. 2010, c. 21), Surface Coating Materials Regulations (SOR/2016-193)

#### a. Lead content

Method : With reference to Health Canada Product Safety Bureau, Reference Manual Book 5 - Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-02.2:2013. Analysis was performed by Atomic Absorption Spectrometry.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	1 - 4		
Lead (Pb)	ND	20	90
Comment	PASS	--	--

#### Sample Description :

1. White Coating (On Body) (#1-21221 White ABS Plastic Body)
2. Royal Coating (On Body) (#2-21221 Royal ABS Plastic Body)
3. Red Coating (On Body) (#3-21221 Red ABS Plastic Body)
4. Black Coating (On Body) (#4-21221 Black ABS Plastic Body)

Note : 1. mg/kg = milligram per kilogram

2. ND = Not Detected

Remark: Material information of the sample is provided by the client.

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Test Results (Cont'd) :

### b. Mercury content

Method : With reference to Health Canada Product Safety Bureau, Reference Manual Book 5 - Laboratory Policies and Procedures, Part B: Test Methods Section, Method C-07:2015 . Analysis was performed by Mercury Analyzer.

Test Item	Result (mg/kg)	Reporting Limit (mg/kg)	Permissible Limit (mg/kg)
	1 - 4		
Mercury (Hg)	ND	0.028	10
<b>Comment</b>	PASS	--	--

#### Sample Description :

1. White Coating (On Body) (#1-21221 White ABS Plastic Body)
2. Royal Coating (On Body) (#2-21221 Royal ABS Plastic Body)
3. Red Coating (On Body) (#3-21221 Red ABS Plastic Body)
4. Black Coating (On Body) (#4-21221 Black ABS Plastic Body)

Note : 1. mg/kg = milligram per kilogram  
2. ND = Not Detected

Remark: Material information of the sample is provided by the client.

### 4. CPSIA section 101(f)(1), US 16 CFR 1303 and US California Proposition 65 (Superior Court of California – County of Alameda Case No. RG07356892) – Lead in paint/similar surface coating material

Method :CPSC Test Method: CPSC-CH-E1003-09.1 'Standard Operation Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'

Test Item	Result (%)				Reporting Limit (%)	Permissible Limit (%)
	1	2	3	4		
Lead (Pb)	ND	ND	ND	ND	0.002	0.009
<b>Comment</b>	PASS	PASS	PASS	PASS	--	--

#### Sample Description :

1. White Coating (On Body) (#1-21221 White ABS Plastic Body)
2. Royal Coating (On Body) (#2-21221 Royal ABS Plastic Body)
3. Red Coating (On Body) (#3-21221 Red ABS Plastic Body)
4. Black Coating (On Body) (#4-21221 Black ABS Plastic Body)

Note : 1. % = percentage by weight  
2. 1% = 10000 mg/kg  
3. ND = Not Detected

Remark: Material information of the sample is provided by the client.

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### 5. US Public Law 104-142 (1996) Title II – Mercury-Containing Battery Management Act – Mercury Content

Method: IEC 62321-4:2013

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) / Direct Mercury Analyzer (DMA)

For Alkaline Manganese Button Cell

Test Item(s)	Mercury (Hg)
MDL (mg/cell)	10
Permissible Limit (mg/cell)	25
Specimen Description	Result(s) (mg/cell)
1. Silvery Metal (Button Cell) (#9-21221 Battery)	ND

Note: - mg/cell = milligram per cell  
- ND = Not Detected (lower than MDL)

### Photo Appendix



Sample as received

\*\*\* End of Report \*\*\*

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