Test Report **Number: 161101949SHA-004**

Applicant: Date: Dec. 06, 2016

Sample Description:

One (1) submitted sample said to be: **Battery with Colorful Printing**

Item Name : R03 AAA

Model No. : R03

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Tests conducted:

As requested by the applicant, for details refer to attached page(s).

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Conclusion:

Tested sample	Standard	Result
Submitted sample	2006/66/EC and amendment 2013/56/EU Directives on batteries and accumulators on heavy metal content and labelling requirement of crossed-out wheeled bin / and chemical symbol	Pass
	U.S. Mercury Containing and Rechargeable Battery Management Act —— Public Law 104-142 (May 13,1996)	Pass

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To be continued

Authorized by:
For Intertek testing services Ltd., Shanghai

Jonny Jing
Operation Manager

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Tests Conducted

1. Heavy metal content in batteries and accumulators/ Portable Rechargeable Batteries

(A) Examination of labelling on batteries / accumulators of Crossed-out Wheeled Bin / and Chemical Symbol

Requirement： (1) According to 2006/66/EC and amendment 2013/56/EU, appropriate symbols of crossed-out wheeled bin is required for separate collection.

(2) According to 2006/66/EC and amendment 2013/56/EU, appropriate chemical symbol on Lead is required when the Lead content of the submitted sample exceeded the reference value

(3) According to 2006/66/EC and amendment 2013/56/EU, appropriate chemical symbol on Mercury/Cadmium is required when the submitted sample contained more than 0.0005 % /0.002% of mercury/Cadmium

Result：(1) The symbol of crossed-out wheeled bin was found on the product.

(2) The Lead content of the submitted sample exceeded the reference value of 2006/66/EC and amendment 2013/56/EU directive and the chemical symbol was found on the submitted sample.

(B) Test Result

With reference to EPA/SW-846. By Atomic Absorption Spectrophotometric Analysis.

Test item	Result in %(w/w)	MDL in %(w/w)	Limit in %(w/w)
Mercury (Hg)	ND	0.0001	0.0005(batteries and accumulators including button cells)
Cadmium (Cd)	ND	0.0010	0.0020
			Reference value in %(w/w)
Lead (Pb)	**0.0569#**	0.0020	0.0040

Remark: MDL= Method detection limit
ND= Not detected
 # = Exceeded Reference Value

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To be continued

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Tests Conducted

2. Mercury (Hg) content

With reference to USEPA 3052, acid digestion method was used and determinated by Inductively Coupled Plasma (ICP).

Result: ND

Limit: Not Detected

Detection Limit: 0.0001% (w/w)

Remark: ND = Not Detected

Date sample received: Nov. 24, 2016
Testing period: Nov. 24, 2016 To Dec. 02, 2016

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End of report

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