



## Test Report

No. CANEC1502233105

Date: 11 Mar 2015

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NING HAI HENGJIU BATTERY CO.,LTD

NO.158-1, XIDIAN SOUTH ROAD, XIDIAN TOWN, NINGHAI COUNTY  
CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : Carbon zinc manganese dry battery

SGS Job No. : CP15-005738 - GZ

Tested Sample Info. : R03 (AAA)

Client Ref. Info. : Applicant declares, the materials and weight percentage of below models are exactly same as the tested model:  
R03 (AAA) 、 R14 (C) 、 R20 (D) 、 6F22 (9V) 、 4R25、 3R12、 R1

Date of Sample Received : 06 Feb 2015

Testing Period : 06 Feb 2015 - 12 Feb 2015

Test Requested : Selected test(s) as requested by client.

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

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

Conclusion : Based on the performed tests on submitted sample(s), cadmium and mercury content comply with the limit of Directive 2006/66/EC. But the samples should contain chemical symbol of Lead according to article 21(3).

Signed for and on behalf of  
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Echo

Echo Yeung  
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN15-022331.003	Battery

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected ( < MDL )
- (4) "-" = Not Regulated

### Articles 4 of Directive 2006/66/EC - Heavy Metals Content in Batteries and Accumulators

Test Method : Acid digestion method (GZTC TOP-CHEM-068), analysis was performed by ICP-OES.

Test Item(s)	Limit	Unit	MDL	003
Cadmium (Cd)	0.0020	%(w/w)	0.0010	ND
Lead (Pb)	-	%(w/w)	0.0010	0.0503
Mercury (Hg)	0.0005	%(w/w)	0.0001	ND

Notes :

- (1) Results shown are of total weight of the battery sample.
- (2) According to the Article 21(3) of Directive 2006/66/EC, all types of battery shall include the chemical symbol Lead when containing more than 0.004% of Pb; button cell or batteries composed of button cells shall include the chemical symbol Mercury when containing more than 0.0005% but less than 2% of Hg; other batteries or accumulators (except button cell and portable battery) shall include the chemical symbol Cadmium when containing more than 0.002% of Cd.



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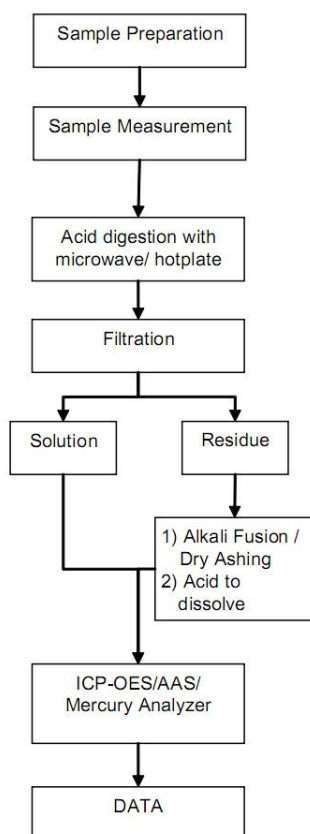
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## ATTACHMENTS

### Battery Testing Flow Chart

- 1) Name of the person who made testing: Martin He
- 2) Name of the person in charge of testing: Cutey Yu



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Sample photo:



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