

The following sample(s) was/were submitted and identified on behalf of the clients as : 0%Hg alkaline zinc manganese button cell

**SGS Job No. :** CP18-069908 - GZ  
**Model No. :** LR44  
**Client Ref. Info. :** Applicant declares, the materials and weight percentage of below models are exactly same as the tested model: LR44, LR1130, LR41, LR43, LR754, LR1120  
**Date of Sample Received :** 07 Jan 2019  
**Testing Period :** 07 Jan 2019 - 11 Jan 2019  
**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 :** The submitted battery sample does not exceed the limit mentioned in European Directive 2006/66/EC and its Article 4 amendment of Directive 2013/56/EU.

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

Annie Ren

Annie Ren  
Approved Signatory



**Test Results :**

**Test Part Description :**

Specimen No.	SGS Sample ID	Description
SN1	CAN19-003200.001	Button cell

**Remarks :**

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

**European Directive 2006/66/EC and its Article 4 amendment of Directive 2013/56/EU–Heavy Metals Content in Batteries and Accumulators**

**Test Method : Acid digestion method, analysis was performed by ICP-OES.**

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>00</u>
Cadmium (Cd)	0.0020	%(w/w)	0.0010	ND
Lead (Pb)	-	%(w/w)	0.0010	ND
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 European Directive 2006/66/EC and its Article 4 amendment of Directive 2013/56/EU, all types of battery shall include the chemical symbol Lead when containing more than 0.004% of Pb.

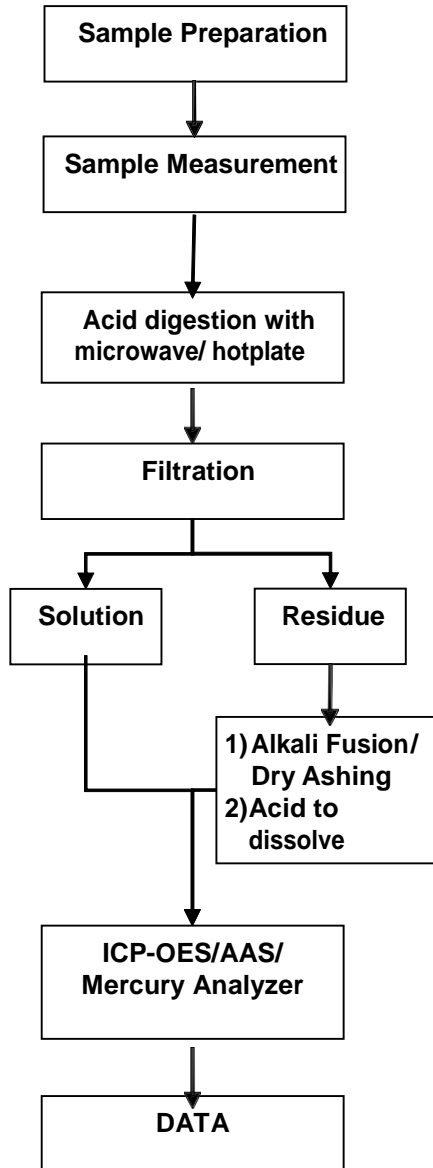


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ATTACHMENTS

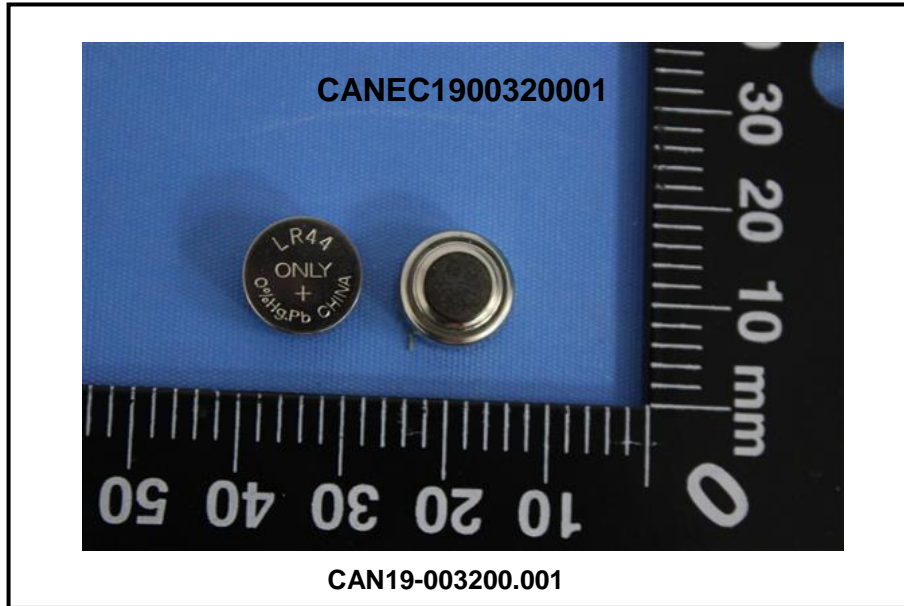
Battery Testing Flow Chart



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

