

The following sample(s) was/were submitted and identified on behalf of the clients as : Lithium Manganese Dioxide Button Cell

SGS Job No. : CP17-010650 - SZ

Tested Sample Info. : CR2032

Client Ref. Info. : Applicant declares, the materials and weight percentage of below models are exactly same as the tested model:CR927, CR1025, CR1130, CR1212, CR1216, CR1220, CR1225, CR1616, CR1620, CR1625, CR1632, CR2016, CR2025, CR2032, CR2330, CR2354, CR2430, CR2450, CR2477, CR3032

Date of Sample Received : 2 Jan 2017

Testing Period : 2 Jan 2017 - 10 Jan 2017

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 Directive 2013/56/EU; and it amends of the Articles 4 of Directive 2006/66/EC.

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



Zm guan  
Approved Signatory



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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN17-03378.903	Button Cell

Remarks :

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

Directive 2013/56/EU and it amends of the 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	001
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 Directive 2013/56/EU, all types of battery shall include the chemical symbol Lead when containing more than 0.004%of Pb.

Remark: Results & photo(s) of this report refer to test report CANEC1603378901.



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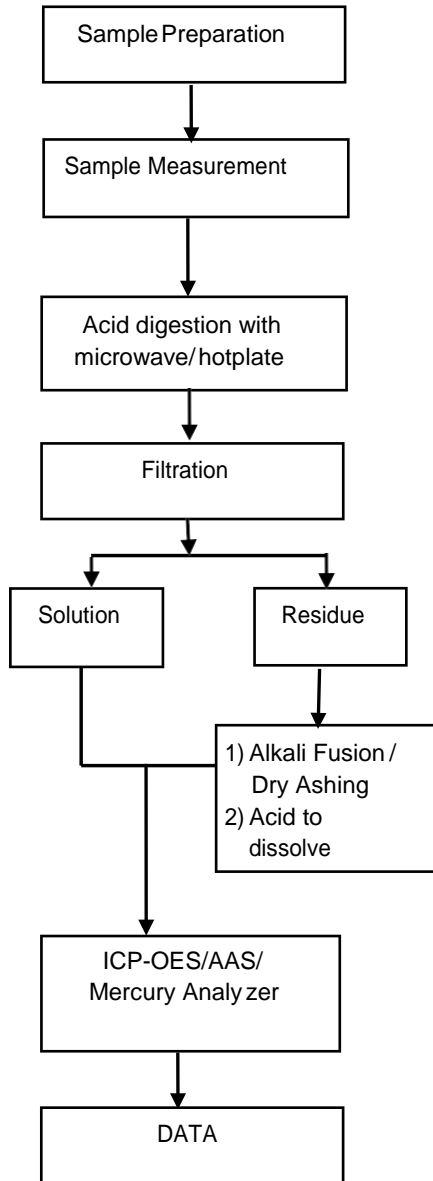
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ATTACHMENTS

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:



SGS authenticate the photo on original report only

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