

## Test Report

No. CANEC1622851101

Date: 07 Dec 2016

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SHENZHEN M&LAK INDUSTRY CO.,LTD

5F,JINSHAN INDUSTRIAL PARK,NO.375,GUANGSHEN ROAD,XIXIANG  
DISTRICT,BAOAN,SHENZHEN,CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : 3V Li-MnO<sub>2</sub> button cell

SGS Job No. : CP16-070521 - SZ

Model No. : CR2032

Client Ref. Info. : Applicant declares, the materials and weight percentage of below models are exactly same as the tested model:CR632, CR920, CR927, CR1025, CR1130, CR1216, CR1220, CR1225, CR1254, CR1616, CR1620, CR1632, CR1654, CR2016, CR2025, CR2032, CR2050, CR2320, CR2325, CR2330, CR2354, CR2430, CR2450, CR2477, CR2477T, CR3032, CR2, CR123A, CR1/3N, CR14505, CR17335, CF103035

Date of Sample Received : 21 Nov 2016

Testing Period : 21 Nov 2016 - 25 Nov 2016

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 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

*Violet*

Violet,Shi

Approved Signatory



SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Chemical Laboratory

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Test Results :

### Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN16-228511.001	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 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.

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 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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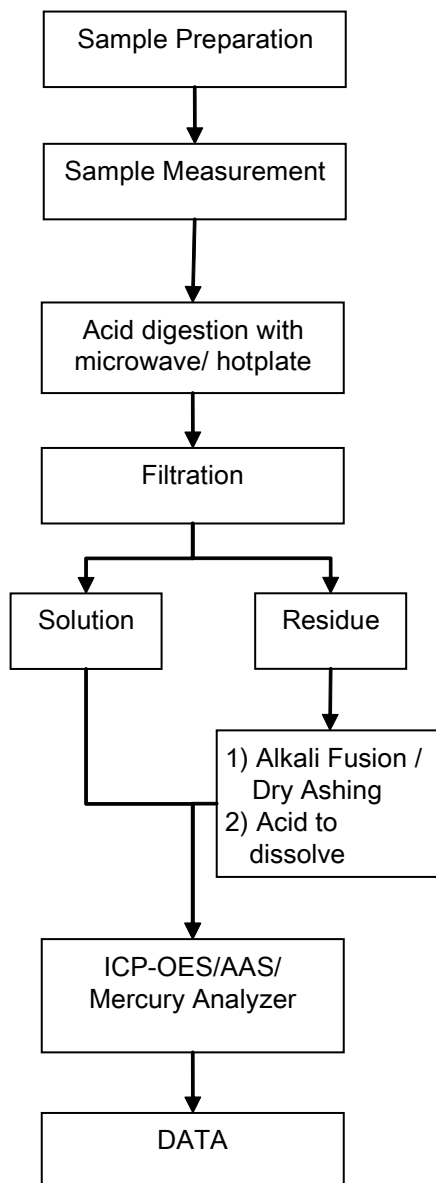
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## ATTACHMENTS

### Battery Testing Flow Chart

- 1) Name of the person who made testing: Hogan Lv
- 2) Name of the person in charge of testing: Lireny Liu



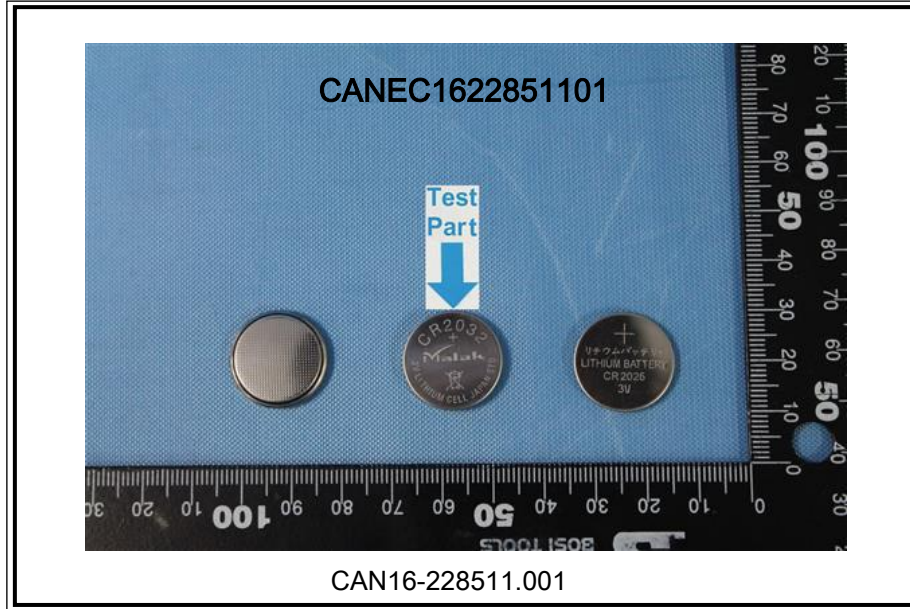
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Sample photo:



SGS authenticate the photo on original report only

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



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