

# Test Report

No. EC410566400

Date: Jan 04 2010

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ZHONG SHAN SUNRISE ELECTRONICS CO., LTD.  
1/F., A12 - A17, NO.173 XINGGANG MID-ROAD  
GANGKOU TOWN ZHONGSHAN CITY,  
GUANGDONG PROVINCE  
528447  
CHINA

The following sample was submitted and identified on behalf of the client as :

3V LITHIUM MANGANESE DIOXIDE BUTTON CELL SERIES (GREATCELL, STARBULLY, NO BRAND)

SGS Job No.	:	12322253
SGS Reference No	:	GZ12322253EC-2.1 - E
Sample Information	:	3V Li-MnO <sub>2</sub> BUTTON CELL SERIES CR632, CR618, CR816, CR927, CR1025, CR1130, CR1212, CR1220, CR1225, CR1616, CR1620, CR1625, CR1632, CR2016, CR2020, CR2025, CR2032, CR2050, CR2320, CR2325, CR2330, CR2354, CR2430, CR2450, CR2447, CR3032
Supplier	:	ZHONGSHAN SUNRISE ELECTRONICS CO., LTD.
Date of Sample(s) Received	:	DEC 28 2009
Testing Period	:	DEC 28 2009 - JAN 04 2010
Test Requested	:	Select test(s) as requested by client.
Test Method	:	Please refer to next page(s).
Test Result(s)	:	Please refer to next page(s).
Conclusion	:	- The submitted battery sample does not exceed the limit mentioned in the Articles 4(1) and 21(3) of Directive 2006/66/EC.

Signed for and on behalf of  
SGS Hong Kong Ltd.



Lee Fu Wa, Leo  
Section Manager

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### Test Results:

ID for sample 1 : 4105664S001  
Description for sample 1 : Silvery Button Cell

### Directive 2006/66/EC

<u>Test Item(s)</u>	<u>Unit</u>	<u>Test Method</u>	<u>Results</u>	<u>MDL</u>	<u>Limit</u>
Lead (Pb)	%	With reference to SGS in-house (Acid Digestion), and performed by ICP-OES/ AAS	0.001	0.001	---
Cadmium(Cd)	%	With reference to SGS in-house (Acid Digestion), and performed by ICP-OES/ AAS	n.d.	0.001	0.002
Mercury (Hg)	%	With reference to SGS in-house (Acid Digestion), and performed by ICP-OES/ AAS	n.d.	0.00001	2

(Results shown are of total weight of the battery sample)

### Note :

- (1) mg/kg = ppm; 0.1%wt = 1000ppm
- (2) n.d. = not detected
- (3) MDL = Method Detection Limit

### Remark:

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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Sample photo:



SGS authenticate the photo on original report only  
 \*\*\* End Of Report \*\*\*

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