

Test Report

No. CANEC0903149001

Date: 24 Jun 2009

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FOSHAN NANHAI XINGUANG BATTERY MATERIAL CO., LTD.
CAOCHANG BAITA INDUSTRIAL AREA NO.7 LISHUI TOWN NANHAI FOSHAN GUANGDONG
CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as :
12V 碱性层叠式纽扣电池(ALARM BATTERY)

SGS Job No. : 11933287 - GZ
SGS Internal Reference No. : 3.1
Client Reference Information : 12V-27A, 12V-23A
Date of Sample Received : 16 Jun 2009
Testing Period : 16 Jun 2009 - 23 Jun 2009

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 and Mercury according to article 21(3).

Signed for and on behalf of
SGS-CSTC Ltd.



Sunny Huang
Lab Sr. Supervisor

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Test Results:

ID for specimen 1 : CAN09-031490.009
 Description for specimen 1 : "Battery"(23A)

Heavy metals in battery (2006/66/EC)

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium (Cd)	% (w/w)	Acid digestion method, ICP-OES	N.D.	0.0010	0.0020
Lead (Pb)	% (w/w)	Acid digestion method, ICP-OES	0.0047	0.0010	-
Mercury (Hg)	% (w/w)	Acid digestion method, ICP-OES	0.4756	0.0001	2

Note:

1. 0.001% = 10 ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit

Remark:

According to the Article 21(3) of Directive 2006/66/EC, Battery, accumulator and button cell shall include the chemical symbol Mercury when containing more than 0.0005% of Hg, the chemical symbol Cadmium when containing more than 0.002% of Cd and the chemical symbol Pb when containing more than 0.004% of Pb.

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ID for specimen 2 : CAN09-031490.018
 Description for specimen 2 : "Battery" (27A)

Heavy metals in battery (2006/66/EC)

Test Item(s)	Unit	Test Method (Reference)	Result	MDL	Limit
Cadmium (Cd)	% (w/w)	Acid digestion method, ICP-OES	N.D.	0.0010	0.0020
Lead (Pb)	% (w/w)	Acid digestion method, ICP-OES	0.0039	0.0010	-
Mercury (Hg)	% (w/w)	Acid digestion method, ICP-OES	0.4188	0.0001	2

Note:

1. 0.001% = 10 ppm
2. N.D. = Not Detected (< MDL)
3. MDL = Method Detection Limit

Remark:

According to the Article 21(3) of Directive 2006/66/EC, Battery, accumulator and button cell shall include the chemical symbol Mercury when containing more than 0.0005% of Hg, the chemical symbol Cadmium when containing more than 0.002% of Cd and the chemical symbol Pb when containing more than 0.004% of Pb.

Remark: The submitted sample consists of eight pieces of button cells.

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Sample photo:



SGS authenticate the photo on original report only
*** End of Report ***

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