



Test Report

No. 2037513/EC

Date :

Page 1 of 3

SHENZHEN BRANCH OF GUIZHOU AEROSPACE POWER SCIENCE & TECH CO., LTD
6F, CHINA ZHENHUA INDUSTRY PARK,
EAST HEPING ROAD., LONGHUA,
SHENZHEN

Report on the submitted sample said to be LITHIUM BATTERY 鋰離子二次電池.

SGS Job No. : 1875066
SGS Ref. No. : SZTYR050932992/LP
Sample Receiving Date : SEP 27 2005
Testing Period : SEP 27 – OCT 06 2005

Test Requested : 1) To determine Lead, Cadmium and Mercury Content in the submitted samples in accordance with 98/101/EC & 91/157/EEC Directives.
2) To determine the Hexavalent Chromium Content on the submitted sample.
3) To determine PBBs (polybrominated biphenyls) and PBDEs (Polybrominated diphenylethers) of the submitted sample.

Test Method : 1) With reference to SGS in-house method. The sample was digested by acid. Analysis was performed by Atomic Absorption Spectrometry or Inductively Coupled Argon Plasma – Atomic Emission Spectrometry (ICP-AES).
2) With reference to EPA Method 3060A & 7196A.
The samples were alkaline digested by using EPA Method 3060A, and then analyzed by using Colorimetric method 7196A.
3) With reference to EPA Method 3540C/ 3550C. Analysis was performed by GC/MS or LC/ MS.

Test Results : 1-3) Please refer to next page.

Conclusion : 1) The submitted battery samples meet the Lead, Cadmium and Mercury content requirements of 98/101/EC & 91/157/EEC Directives.

Signed for and on behalf of
SGS Hong Kong Ltd

Ho Ka Ting, Family
Laboratory Executive

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Test Results :

1)

<u>Element</u>	<u>Lithium Battery</u>	<u>Limit (except button cell)</u>
Lead (Pb)	< 0.001%	0.4%
Cadmium (Cd)	< 0.001%	0.025%
Mercury (Hg)	0.00005%	0.0005%

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

Note : 1) < = Less than
 2) % = percentage by weight
 3) 0.01% = 100 ppm

2)

<u>Test Item</u>	<u>Lithium Battery</u>	<u>Detection Limit</u>
Hexavalent Chromium (Cr ⁶⁺)	ND	2 ppm

(Results shown are of the total weight of samples)

Note : ppm = mg/kg
 ND = Not Detected
 Not detected is reported when the reading is less than detection limit value

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3)

Flame Retardants	Lithium Battery	Detection Limit
Polybrominated Biphenyls (PBBs)	---	---
Monobromobiphenyl	ND	5 ppm
Dibromobiphenyl	ND	5 ppm
Tribromobiphenyl	ND	5 ppm
Tetrabromobiphenyl	ND	5 ppm
Pentabromobiphenyl	ND	5 ppm
Hexabromobiphenyl	ND	5 ppm
Heptabromobiphenyl	ND	5 ppm
Octabromobiphenyl	ND	5 ppm
Nonabromobiphenyl	ND	5 ppm
Decabromobiphenyl	ND	5 ppm
Polybrominated Diphenylethers (PBDEs)	---	---
Monobromodiphenyl ether	ND	5 ppm
Dibromodiphenyl ether	ND	5 ppm
Tribromodiphenyl ether	ND	5 ppm
Tetrabromodiphenyl ether	ND	5 ppm
Pentabromodiphenyl ether	ND	5 ppm
Hexabromodiphenyl ether	ND	5 ppm
Heptabromodiphenyl ether	ND	5 ppm
Octabromodiphenyl ether	ND	5 ppm
Nonabromodiphenyl ether	ND	5 ppm
Decabromodiphenyl ether	ND	5 ppm

Note : ppm = mg/kg

ND = Not Detected

Not detected is reported when the reading is less than detection limit value.

*** End of Report ***