



Technical Report No. 64.160.14.00074.01E

Rev. 00

Dated 2014-01-21

Client:

Test Description: The submitted sample was identified and described by client as:
Rechargeable Li-ion Cell
Model: FST 18650-2500mAh


Test Specification: According to Directive 2006/66/EC, testing of Cadmium, Lead and
Mercury content. Acid Digestion followed by ICP/AAS analysis

Test Result: Please refer to next page(s)

Conclusion: Heavy Metals in Battery **Pass**
The content of heavy metals do not exceed the permissible level of EU
Directive 2006/66/EC in submitted sample.

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

1 Description of the test subject

Sample No.	Color and description	Photograph
001	Battery (2500mAh) Weight: 45.84g	

2 Order

2.1 Date of Purchase Order

2014-01-13

2.2 Receipt of Test Sample, Location

2014-01-13, Guangzhou

2.3 Date of Testing

2014-01-13 to 2014-01-20

2.4 Location of Testing

The test was performed in TÜV SÜD Hong Kong Ltd. Chemical lab and the test results were reviewed at TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch.

3 Test Results

3.1 Heavy Metals in Battery according to 2006/66/EC

Acid digestion followed by ICP/AAS analysis [Reporting Limit: Hg=0.00005%, Cd=0.0002%]

Elements	Result [%]	Limits of 2006/66/EC [%]
	Sample 001	
Total Mercury(Hg)	0.00008	0.0005
Total Cadmium (Cd)	< 0.0002	0.002

Note: 1. % = percentage by weight
2. < = less than

3.2 Total Lead Content Test

Acid digestion followed by ICP/AAS analysis [Reporting Limit=0.0001%]

Elements	Result [%]
	Sample 001
Total Lead (Pb)	0.00140

Note: 1. % = percentage by weight

4 Documentation

N/A

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch
TÜV SÜD Group



Engineer: Kevin Zhang
Kevin Zhang

Technical Report checked: Ben Shao
Ben Shao