



**Technical Report No. 64.160.14.00074.01C**

**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 18650-2200mAh


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.

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## 1 Description of the test subject

Sample No.	Color and description	Photograph
001	Battery (2200mAh) Weight: 43.43g	

## 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)	0.00141

Note: 1. % = percentage by weight

### 4 Documentation

N/A

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



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