



# Test Report

No. BCTC-FYC170112885R

Date: Nov. 28, 2017

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**Applicant** : SHENZHEN XTAR ELECTRONICS CO., LTD  
**Address** : 5th Floor, No.77 Xinhe Rd, Shangmugu, Pinghu Area, Longgang District, Shenzhen, Guangdong, China

**The submitted sample and sample information was/were submitted and identified by/on the behalf of the client**

**Sample name** : Rechargeable Li-ion Battery

**Type /model** : 18650 2600mAh

**Trademark** : 

**Manufacturer** : SHENZHEN XTAR ELECTRONICS CO., LTD

**Address** : 5th Floor, No.77 Xinhe Rd, Shangmugu, Pinghu Area, Longgang District, Shenzhen, Guangdong, China

**Sample received date** : Nov. 22, 2017

**Testing period** : Nov. 22, 2017 - Nov. 28, 2017

**Test requested** : As specified by client, to test the Lead(Pb), Cadmium(Cd) and Mercury(Hg) in the submitted sample(s) .

**Conclusion** : The test results show that the submitted sample complies with the requirement of EU Directive 2006/66/EC.

**Test Method:**

Tested Item(s)	Test Method	Measured Equipment(s)
Lead(Pb)/ Cadmium(Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Mercury(Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES

\*\*\*\*\*For more detailed information, please refer to the next page\*\*\*\*\*

Tested by





Approved by



**Lab:Shenzhen BCTC Testing Co.,Ltd.**



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**Tested Sample/Part Description:**

Rechargeable Li-ion Battery mixed

**Test Result(s):**

Tested Item(s)	Result (%)	MDL (%)
Lead (Pb)	N.D.	0.0002
Cadmium (Cd)	N.D.	0.0002
Mercury (Hg)	N.D.	0.00005

**Note:**

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- %= Percentage by weight

**Remark:**

According to EU Directive 2006/66/EC and amending the content 2013/56/EU.

1. Without prejudice to directive 2000/53/EC, Member States shall prohibit the placing on the market of :
  - (a) All batteries or accumulators, whether or not incorporated into appliances, that contain more than 0.0005% of mercury by weight.
  - (b) Portable batteries or accumulators, including those incorporated into appliances, that contain more than 0.002% of cadmium by weight.
2. The prohibition set out in paragraph 1(a) shall not apply to button cells with a mercury content of no more than 2% by weight.
3. The prohibition set out in paragraph 1(b) shall not apply to portable batteries and accumulators intended for use in:
  - (a) Emergency and alarm systems, including emergency lighting;
  - (b) Medical equipment;
  - (c) Cordless power tools.
4. Batteries, accumulators and button cells containing more than 0.004% lead, shall be marked with the chemical symbol for the metal concerned: Pb.





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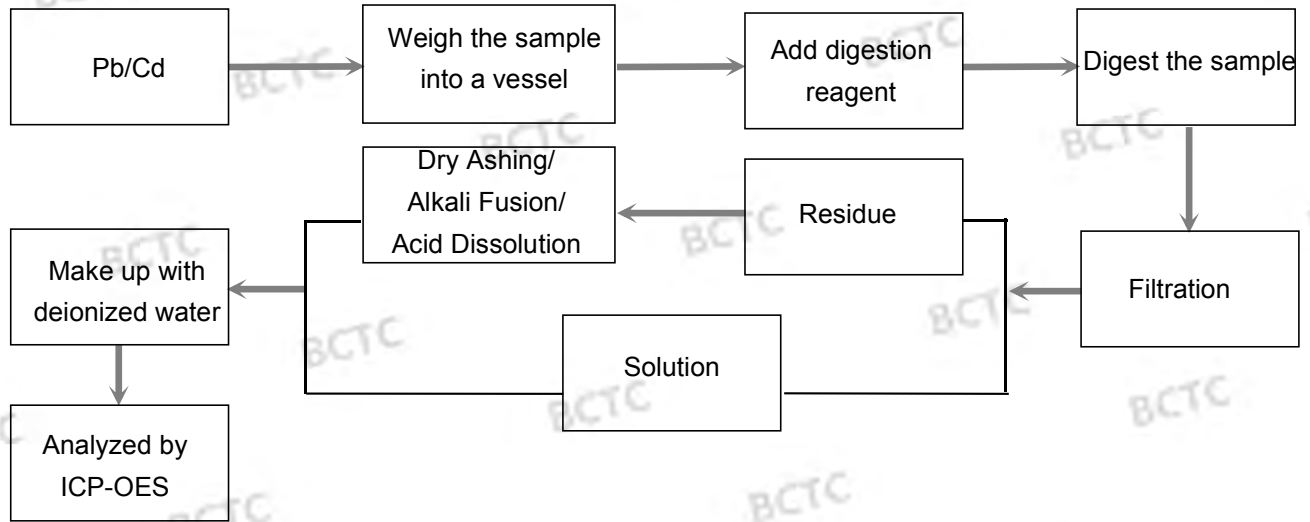
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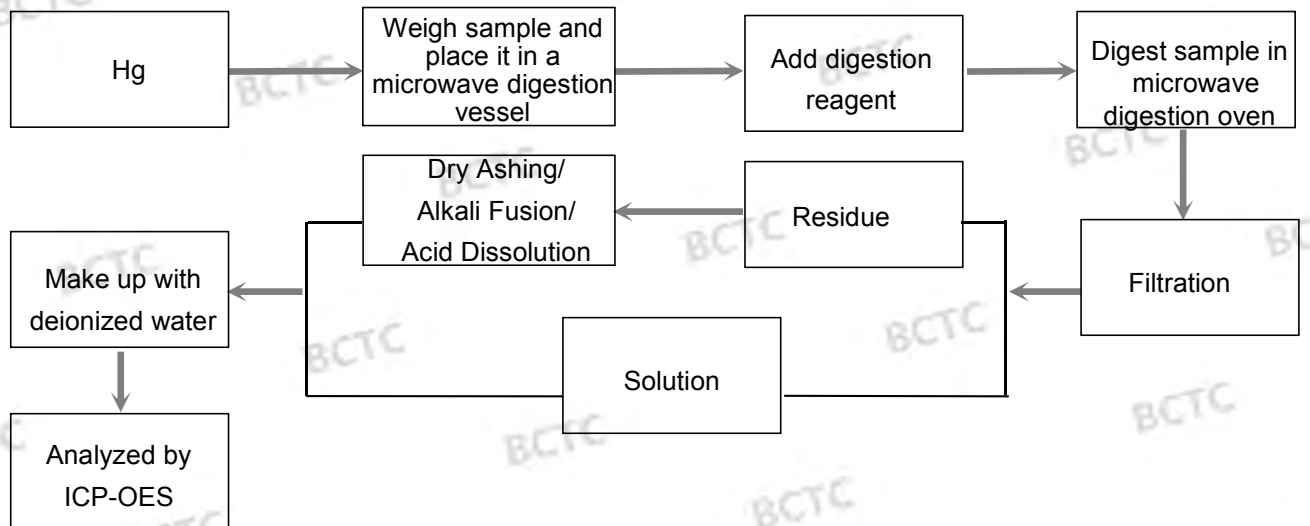
**Test Process:**

The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

◆ IEC 62321-5:2013 Ed.1.0



◆ IEC 62321-4:2013 Ed.1.0





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## Photograph of Sample



\*\*\*\*\* End of Report \*\*\*\*\*