



**Technical Report No. 68.413.17.0003.01**  
**Dated 2017-02-27**

Client: Shenzhen Topband New Energy Co., Ltd

Address: Topband Industrial Park, Liyuan Industrial Zone, Shiyan, Bao'an  
Shenzhen 518108 P.R. CHina

Attn.: Ms. Chen

Sample Description: Lithium ion cell

Model No.: TB-027070180-Fe-25AH-X

Sample Receive Date: 2017-02-14

Test Period: From 2017-02-14 to 2017-02-24

Test Requested and Conclusion: EU Directive 2006/66/EC and its amendment 2013/56/EU– on batteries and accumulators and waste batteries and accumulators – Cadmium, Mercury and Lead content **PASS**

Test Result: Refer to the following page(s)

Remark: The result relates only to the items tested.

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1. TESTED SUBJECT DESCRIPTION

Sample Number	Item Name	Tested Material Description	Photo
001	Battery	Silvery battery packaged (with transparent/ pink soft plastic cap) battery	





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**2. TEST RESULT**

**2.1 CADMIUM, MERCURY AND LEAD CONTENT TEST**

Test Method: Acid digestion, analyzed by atomic absorption spectrophotometer (AAS).

Test Item	Result [%]	Maximum Permissible Limit [%]
	Sample 001	
Cadmium (Cd)	< 0.00020	0.002
Mercury (Hg)	< 0.00020	0.0005
Lead (Pb)	< 0.0001	--

Note:

- “%” denotes percentage by weight
- “<” denotes less than
- The specification was quoted from EU Directive 2006/66/EC.
- “--” indicates no specified limit for lead in EU Directive 2006/66/EC.
- If batteries, accumulators and button cells containing more than 0.0005% mercury, more than 0.002% cadmium or more than 0.004% lead, shall be marked with the chemical symbol for the metal concerned: Hg, Cd or Pb.

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