

Test Report

Report No. : TCT200422C014

Date : Apr. 26, 2020

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Applicant:

Address:

The following sample was submitted and identified by/on behalf of the client as:

Sample Name: Polymer Li-ion Cell
Model No.: LBT401214-3.7V-35mAh
Sample Received Date: 2020.04.22
Testing Period: 2020.04.22—2020.04.26
Test Requested: Accordance with Directive 2006/66/EC, to determine the Lead (Pb), Cadmium (Cd), Mercury (Hg) contents of the submitted sample(s).
Test Method: Please refer to the following page(s).
Test Result(s): Please refer to the following page(s).
Conclusion: Test results of submitted sample(s) comply with the limit set by Directive 2006/66/EC and its amendment 2013/56/EU.

Checked by



Noel Yin

Signed for and on behalf of TCT



Kim Zhang
Technical Manager



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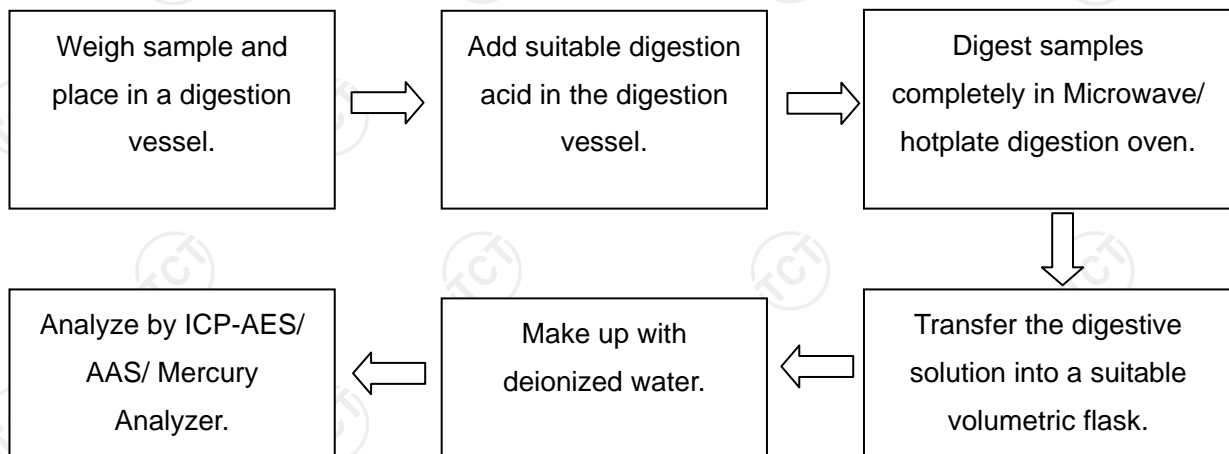
Test Results:

Lead, Cadmium and Mercury Content(s)

Test Items	Test Method	Unit	Test Results	MDL	Labelling Requirement [#]	Permissible Limit
Lead (Pb)	With reference to GB/T 20155-2018, Analysis was performed by ICP-OES	%	N.D.	0.0010	> 0.004	--
Cadmium (Cd)			N.D.	0.0010	> 0.002	0.002 ^{##}
Mercury (Hg)			N.D.	0.0001	> 0.0005	0.0005

- Note :
- MDL = Method Detection Limit
 - N.D. = Not detected, less than MDL.
 - [#] = According to the article 21.3, 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.
 - ^{##} = Not apply to portable batteries and accumulators intended for use in:
 - (a) emergency and alarm systems, including emergency lighting;
 - (b) medical equipment; or
 - (c) cordless power tools.
 - Results shown is/are of total weight of the battery sample.
 - "--" = Not Regulated.
 - According to the article 21.1, all batteries, accumulators and battery packs should be appropriately marked with the crossed-out wheeled bin symbol.

Test Process:



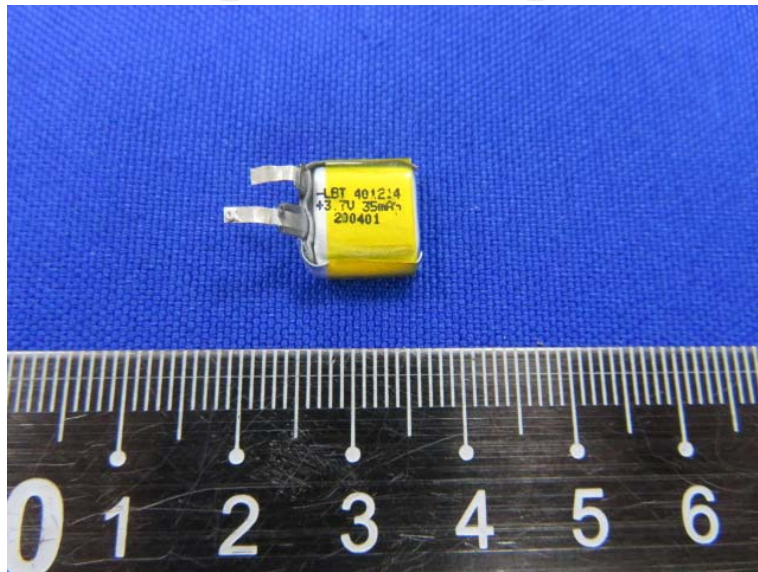
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Photo(s) of the sample(s)



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

Remark: This report is considered invalidated without the Special Seal for Inspection of the TCT. This report shall not be altered, increased or deleted. The results shown in this test report refer only to the sample(s) tested. Without written approval of TCT, this test report shall not be copied except in full and published as advertisement.

Test Report

Client	:
Address	:

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name	:	Polymer Li-ion Battery
Sample Description	:	/
Model/P.O. No.	:	602040/400
Item/Lot No.	:	/
Material	:	/
Buyer	:	/
Supplier	:	/
Manufacturer	:	/
Received Date	:	Feb 27, 2020
Test Period	:	Feb 27, 2020~Mar 02, 2020

Test Requested	Conclusion
EU directive 2006/66/EC and its amendment 2013/56/EU	
- Lead(Pb), Cadmium(Cd), Mercury(Hg)	PASS

For Further Details, Please Refer To the Following Page(s)

Approved by: 

Date: Mar 02, 2020



Test Methods

Test Items	Test Method	Equipment
Lead(Pb), Cadmium(Cd)	IEC 62321-5:2013	ICP-OES
Mercury(Hg)	IEC 62321-4:2013+AMD1:2017CSV	ICP-OES

Test Results

Test components	Test Item(s)	MDL (mg/kg)	Result(s) (mg/kg)	Limit (mg/kg)
Polymer Li-ion Battery (602040/400)	Lead(Pb)	5	13	40
	Cadmium(Cd)	5	N.D.	20
	Mercury(Hg)	5	N.D.	5

Note:

- mg/kg=ppm=parts per million;
- N.D.=Not Detected (<MDL); MDL=method detection limit;

Test Process:

Test Lead(Pb), Cadmium(Cd), Mercury(Hg) concentration:

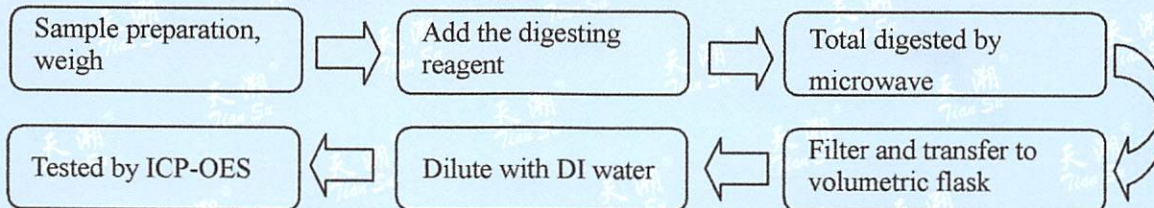
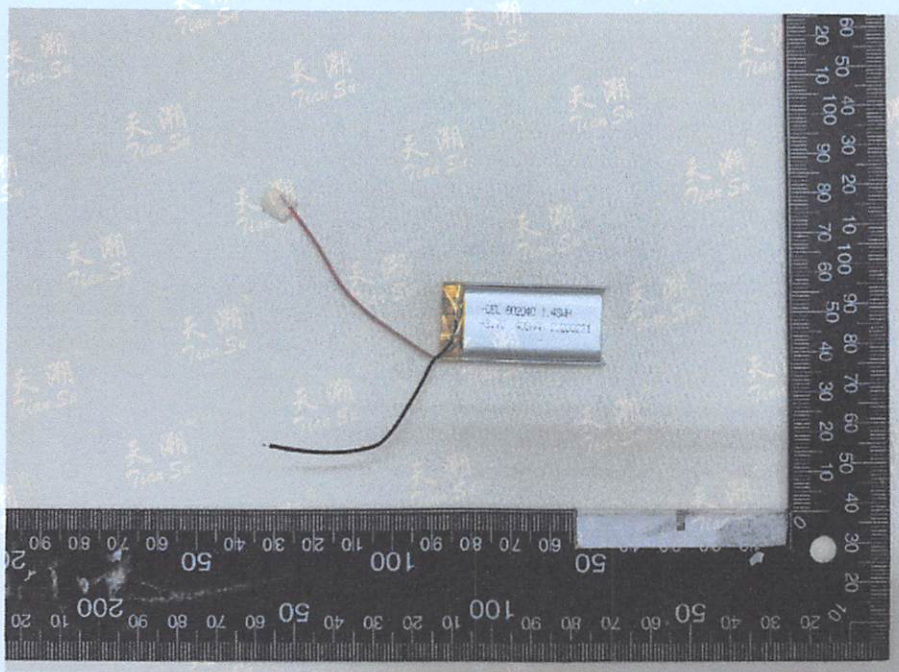


Photo of the sample



***** End of report *****

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