

TEST REPORT

Applicant: Shenzhen PULUZ Technology Limited
Address: 8/F, 614 Bldg, Bagua 1st Road, Futian, Shenzhen, China

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

Sample name: Handheld Stick Light
Model: PU4140
Manufacturer: Shenzhen PULUZ Technology Limited
Address: 8/F, 614 Bldg, Bagua 1st Road, Futian, Shenzhen, China
Factory: Guangxi Donglai New Energy Technology Co., Ltd.
Address: No. Yingbin Avenue Extension Line, Taocheng Town, Daxin County, Chongzuo City, Guangxi Zhuang Autonomous Region, China

Sample No.: S2604220219-1#
Sample Received Date: 2026-04-22
Testing Period: 2026-04-23~ 2026-05-11

Test Requirement:

As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg) in the submitted sample(s) in accordance with Battery Regulation (EU) 2023/1542.

Conclusion

Pass

Test Result(s): Please refer to the following page(s);

Test Method: Please refer to the following page(s);

Compiled
by:

Luna Zhang

Reviewed
by:

DE-MD. deng

Approved
by:

May Li

Date:

2026-05-14

Sample Description:

Battery

Test Result(s):

Test item(s)	Limit, %	MDL, %	Result(s), %
Lead (Pb)	0.01*	0.0002	N.D. ^
Cadmium (Cd)	0.002	0.0002	N.D. ^
Mercury (Hg)	0.0005	0.00005	N.D.
Conclusion	/	/	Pass

Note: 1mg/kg = 1ppm = 0.0001%

N.D. = Not Detected (<MDL)

MDL = Method Detection Limit

/=Not Regulated or Not Applicable

Remark: 1. According to Battery Regulation (EU) 2023/1542:

(1) Without prejudice to directive 2000/53/EC, Member States shall prohibit the placing on the market of:

(a) *From 18 August 2024, portable batteries, whether or not incorporated into appliances, that contain more than 0.01% (100mg/kg) of lead by weight;

(b) portable batteries, whether or not incorporated into appliances, light means of transport or other vehicles, that contain more than 0.002% (20mg/kg) of cadmium by weight;

(c) batteries, whether or not incorporated into appliances, light means of transport or other vehicles, that contain more than 0.0005% (5mg/kg) of mercury by weight.

(2) The prohibition set out in paragraph (1) (a) shall not apply to portable zinc-air button cells until 18 August 2028.

2. According to Article 5 of Article 13 of Chapter III of the Battery Regulation (EU) 2023/1542, all batteries containing more than 20 mg/kg cadmium or more than 40 mg/kg lead, shall be marked with the chemical symbol for the metal concerned: Cd or Pb. In addition, the relevant chemical symbol indicating the heavy metal content shall be printed beneath the separate collection symbol and shall cover an area of at least one-quarter the size of that symbol.

3. Results shown are of total weight of the battery sample.

4. ^All batteries containing more than 0.002% cadmium or more than 0.004% lead, shall be marked with the chemical symbol for the metal concerned: Cd or Pb

Test Method:

Testing Item(s)	Test Method	Test Instrument
Lead (Pb)	Refer to IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	Refer to IEC 62321-5:2013	ICP-OES
Mercury (Hg)	Refer to IEC 62321-4:2013+AMD1:2017	ICP-OES

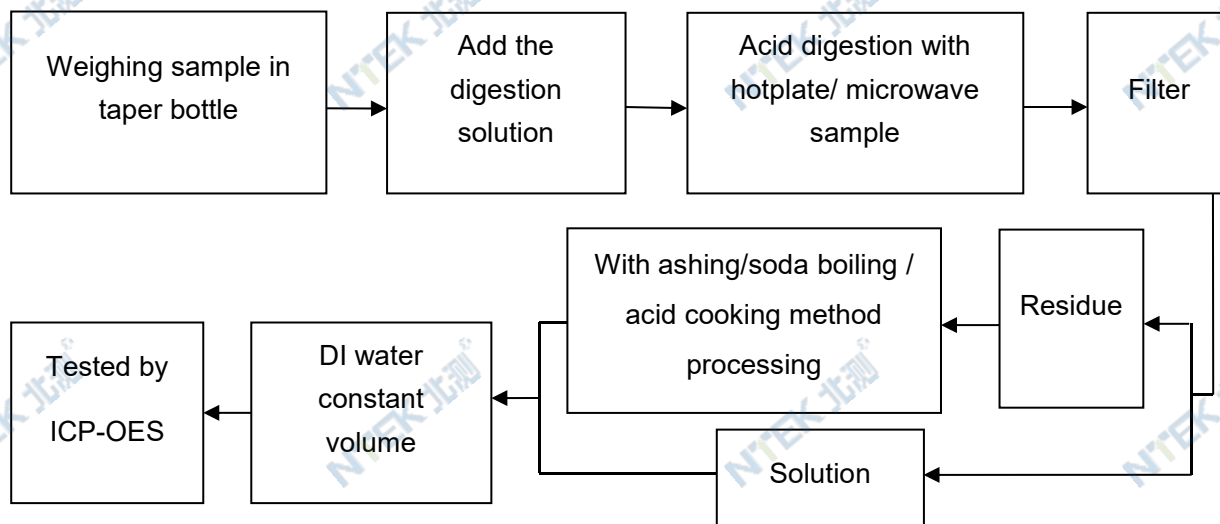
Test instrument:

Test instrument	Instrument model	Calibration effective date
ICP-OES	OPTIMA 8000	2026-06-11

Test Flow:

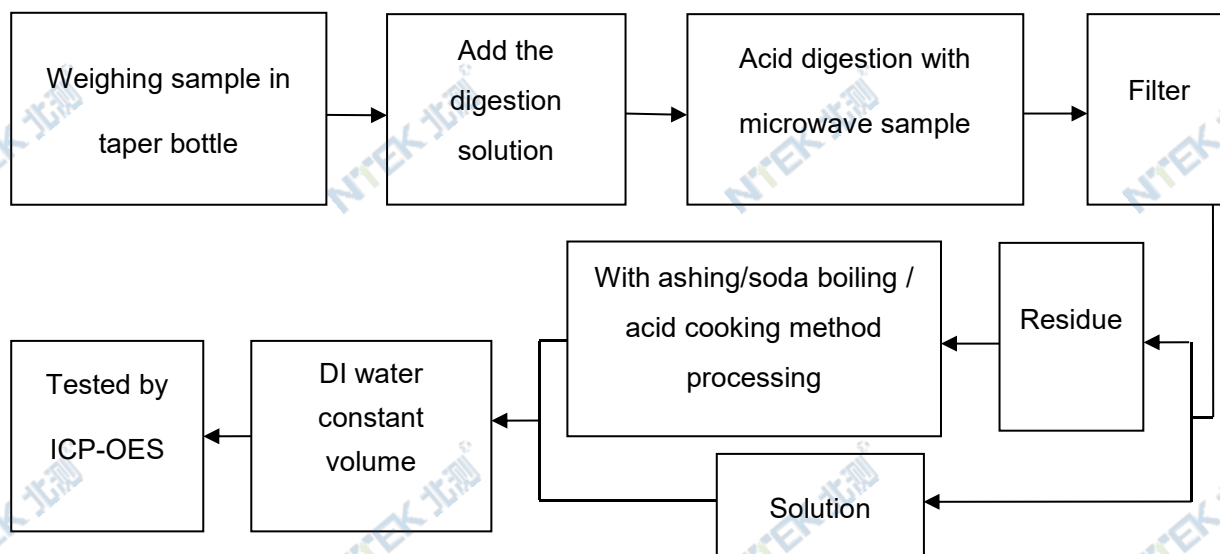
1. Lead (Pb), Cadmium (Cd)

The sample is completely digested according to the procedure described below



2. Mercury (Hg)

The sample is completely digested according to the procedure described below



Sample photo(s):

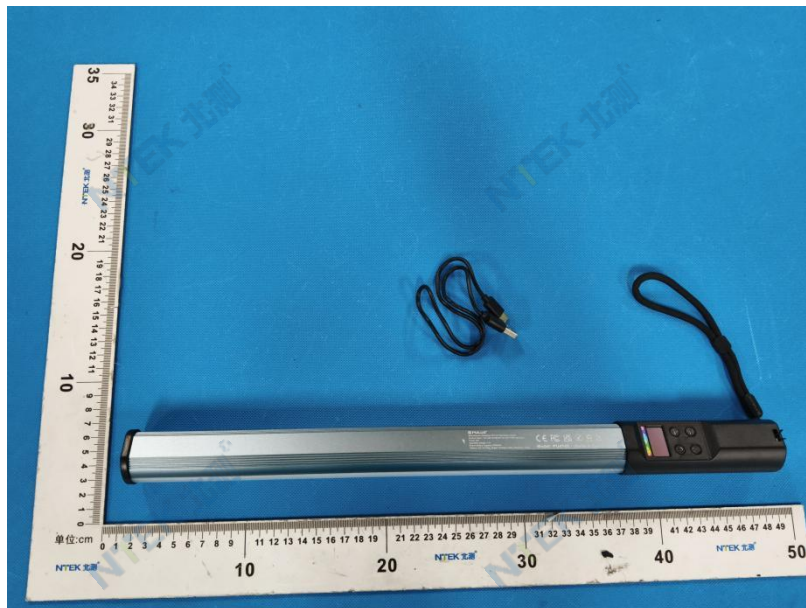


Fig.1(Finished photo)

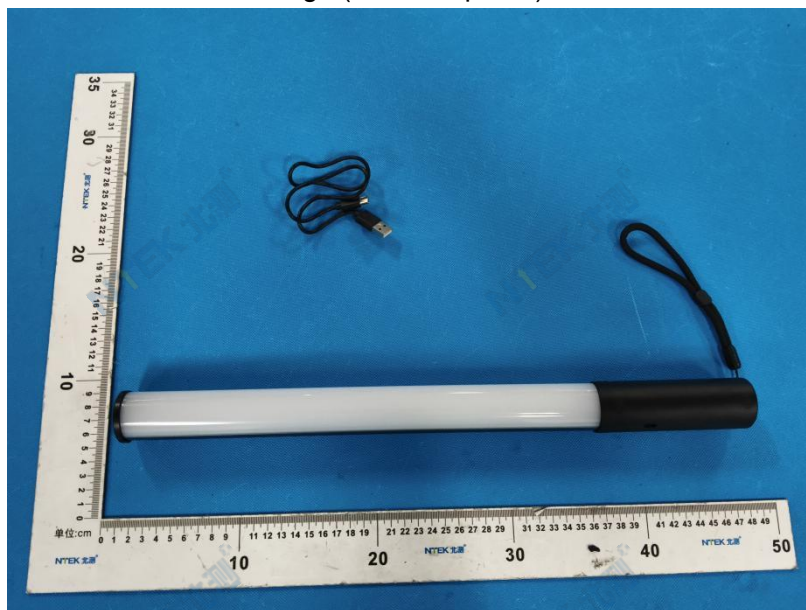


Fig.2(Finished photo)

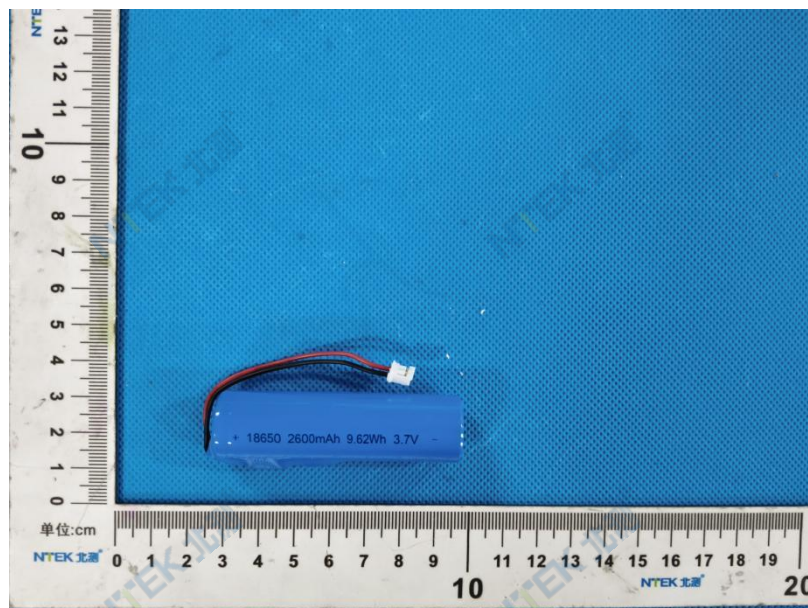


Fig.3

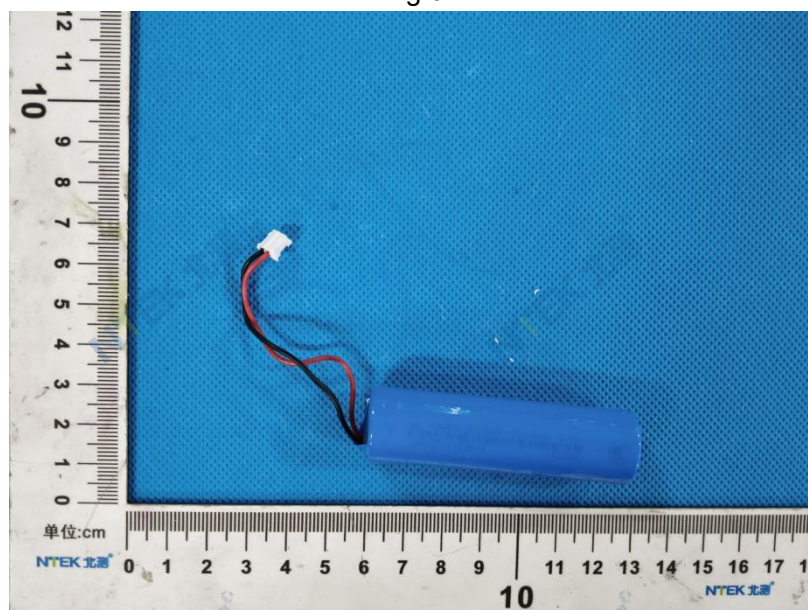


Fig.4

**** End of Report****

The test results or data in this report will be used only for education, scientific research, enterprise product development and internal quality control or other purposes.

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