

TEST REPORT

Applicant: Guangzhou Xinghuashuo Technology Co., Ltd.
Address: Room A3606, 3rd Floor, Building A, No. 1 Yingjun Road, Zhuji Street, Tianhe District, Guangzhou,Guangzhou,Guangdong,CN(China)

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

Sample name: Fabric Table Lamp
Test Sample Model: XHS20250313
Manufacturer & Factory: Guangzhou Xinghuashuo Technology Co., Ltd.
Address: Room A3606, 3rd Floor, Building A, No. 1 Yingjun Road, Zhuji Street, Tianhe District, Guangzhou,Guangzhou,Guangdong,CN(China)
Sample No.: S2601150363(1-2)#
Sample Received Date: 2026-01-15
Testing Period: 2026-01-20~2026-02-04

Test Requirement:

As specified by the client, the contents of Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl Butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate (DIBP) in the submitted samples were determined in accordance with the IEC 62321 series. The technical documentation was assessed against EN IEC 63000:2018 to demonstrate conformity with RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Conclusion

Pass

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

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

Compiled by: _____

Reviewed by: _____

Approved by: _____

Date: _____

2026-02-09

Sample Description:

No.	Part name	Sample description
1	Lampshade	Colored printed fabric(cover body,colorful)
2		White plastic sheet with glue(cover body,colorful)
3		White fabric(bracket,colorful)
4		White coating(bracket,colorful)
5		Metal base material(bracket,colorful)
6	Candlestick	Brown wooden block(base,colorful)
7		Black foam with glue(base,colorful)
8		White background with black text label(base,colorful)
9		Silver metal nut(base,colorful)
10		Silver metal stud(base,colorful)
11		Silver metal shell(base,colorful)
12		White plastic nut(base,colorful)
13		Silver metal clamp spring(base,colorful)
14		Silver metal sheet(base,colorful)
15		White plastic clasp(base,colorful)
16		White aluminum substrate(aluminum plate,colorful)
17		Tin solder(aluminum plate,colorful)
18		Yellow SMD LED(aluminum plate,colorful)
19		Orange SMD LED(aluminum plate,colorful)
20	Controller	White plastic shell(shell,colorful)
21		Plastic pieces in blue-red-white with adhesive(shell,colorful)
22		Silver metal shell(USB interface,colorful)
23		White plastic(USB interface,colorful)
24		Metal plug pin(USB interface,colorful)
25		Tin solder(USB interface,colorful)
26		White encapsulation(USB interface,colorful)
27		White exterior wire jacket(wire,colorful)
28		White wire jacket(wire,colorful)
29		Red wire jacket(wire,colorful)
30		Black wire jacket(wire,colorful)
31		Core of wire(wire,colorful)
32		Green PCB(PCB,colorful)
33		Tin solder(PCB,colorful)
34		Silver metal sheet(button switch,colorful)
35		Black plastic button(button switch,colorful)

No.	Part name	Sample description
36		Silver metal shrapnel(button switch,colorful)
37		Black plastic base(button switch,colorful)
38		SMD audion (SMD,colorful)
39		SMD chip(SMD,colorful)
40	Lampshade	Apricot colored printed fabric(cover body,beige)
41	Controller	White wire jacket(cable ties,colorful)
42		Core of wire(cable ties,colorful)
43	Paint	White paint
44		Red paint
45		Yellow paint
46		Blue paint
47		Black paint
48		Mixed-color paint

Test Result(s):

Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers(PBDEs)

1. XRF Screening Result

No.	XRF Screening Result (mg/kg)					Conclusion
	Pb	Cd	Hg	Cr	Br	
1	BL	BL	BL	BL	BL	Pass
2	BL	BL	BL	BL	BL	Pass
3	BL	BL	BL	BL	BL	Pass
4	BL	BL	BL	BL	BL	Pass
5	BL	BL	BL	BL	/	Pass
6	BL	BL	BL	BL	BL	Pass
7	BL	BL	BL	BL	BL	Pass
8	BL	BL	BL	BL	BL	Pass
9	BL	BL	BL	BL	/	Pass
10	BL	BL	BL	BL	/	Pass
11	BL	BL	BL	IN	/	IN
12	BL	BL	BL	BL	BL	Pass
13	BL	BL	BL	BL	/	Pass
14	BL	BL	BL	IN	/	IN
15	BL	BL	BL	BL	BL	Pass
16	BL	BL	BL	BL	BL	Pass

No.	XRF Screening Result (mg/kg)					Conclusion
	Pb	Cd	Hg	Cr	Br	
17	IN	BL	BL	BL	/	IN
18	BL	BL	BL	BL	BL	Pass
19	BL	BL	BL	BL	BL	Pass
20	BL	BL	BL	BL	BL	Pass
21	BL	BL	BL	BL	BL	Pass
22	BL	BL	BL	BL	/	Pass
23	BL	BL	BL	BL	BL	Pass
24	BL	BL	BL	BL	/	Pass
25	BL	BL	BL	BL	/	Pass
26	BL	BL	BL	BL	BL	Pass
27	BL	BL	BL	BL	BL	Pass
28	BL	BL	BL	BL	BL	Pass
29	BL	BL	BL	BL	BL	Pass
30	BL	BL	BL	BL	BL	Pass
31	BL	BL	BL	BL	/	Pass
32	BL	BL	BL	BL	BL	Pass
33	IN	BL	BL	BL	/	IN
34	BL	BL	BL	BL	/	Pass
35	BL	BL	BL	BL	BL	Pass
36	BL	BL	BL	IN	/	IN
37	BL	BL	BL	BL	BL	Pass
38	BL	BL	BL	BL	BL	Pass
39	BL	BL	BL	BL	BL	Pass
40	BL	BL	BL	BL	BL	Pass
41	BL	BL	BL	BL	BL	Pass
42	BL	BL	BL	BL	/	Pass
43	BL	BL	BL	BL	BL	Pass
44	BL	BL	BL	BL	BL	Pass
45	BL	BL	BL	BL	BL	Pass
46	BL	BL	BL	BL	BL	Pass
47	BL	BL	BL	BL	BL	Pass
48	BL	BL	BL	BL	BL	Pass

2. Chemical Test Result

No.	Chemical Test Result (mg/kg)						Conclusion
	Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
11	/	/	/	N.D.	/	/	Pass
14	/	/	/	N.D.	/	/	Pass
17	333	/	/	/	/	/	Pass
33	143	/	/	/	/	/	Pass
36	/	/	/	N.D.	/	/	Pass

Bis-(2-ethylhexyl) Phthalate (DEHP), Benzyl butyl Phthalate (BBP), Dibutyl Phthalate (DBP) and Diisobutyl Phthalate(DIBP)

No.	Test Items Result (mg/kg)				Conclusion
	DEHP	BBP	DBP	DIBP	
1+3+40	N.D.	N.D.	N.D.	N.D.	Pass
2+7+8+12+15	N.D.	N.D.	N.D.	N.D.	Pass
4	N.D.	N.D.	N.D.	N.D.	Pass
6	N.D.	N.D.	N.D.	N.D.	Pass
16	N.D.	N.D.	N.D.	N.D.	Pass
20+21+23+26+27	N.D.	N.D.	N.D.	N.D.	Pass
28+29+30+35+37	N.D.	N.D.	N.D.	N.D.	Pass
32	N.D.	N.D.	N.D.	N.D.	Pass
41	N.D.	N.D.	N.D.	N.D.	Pass
43	N.D.	N.D.	N.D.	N.D.	Pass
44	N.D.	N.D.	N.D.	N.D.	Pass
45	N.D.	N.D.	N.D.	N.D.	Pass
46	N.D.	N.D.	N.D.	N.D.	Pass
47	N.D.	N.D.	N.D.	N.D.	Pass
48	N.D.	N.D.	N.D.	N.D.	Pass

- Note:
- 1.N.D. = Not Detected (<MDL)
 - MDL = Method Detection Limit
 - 1mg/kg = 1ppm =0.0001%
 - /=Not Regulated or Not Applicable
 - 2. BL = Below the XRF screening limit
 - IN = Further chemical test will be conducted when the screening result inconclusive
 - OL = Further chemical test will be conducted while the result is above the screening limit.
 - 3. For metal samples, the sample is negative for Cr(VI), if the Cr(VI) concentration is less than 0.10 µg/cm², the coating is considered a non- Cr(VI) based coating;
 - The sample is positive for Cr(VI), if the Cr(VI) concentration is greater than 0.13 µg/cm²,
 - The sample coating is considered to contain Cr(VI);
 - The result is considered to be inconclusive, the Cr(VI) concentration is between the 0.10 µg/cm² and 0.13 µg/cm², unavoidable coating variations may influence the determination.
 - Because the storage condition and production date of the sample are not known, the test results of the sample of hexavalent chromium can only represent the state of hexavalent chromium in the samples tested.
- Remark:
- 1. When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively; When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.

Test Method:

1. With reference to IEC 62321-1: 2013 Ed.1.0, IEC 62321-2:2021 Ed.2.0, IEC 62321-3-1:2013 Ed.1.0. XRF screening limits in mg/kg for regulated elements in various matrices.

Element	Limit of IEC 62321-3-1:2013 Ed.1.0 (mg/kg)		
	Polymers	Metals	Composite material
Pb	BL≤(700-3σ) <X <(1300+3σ)≤OL	BL≤(700-3σ) <X <(1300+3σ)≤OL	BL≤(500-3σ)<X <(1500+3σ)≤OL
Cd	BL≤(70-3σ)<X < (130+3σ) ≤OL	BL≤(70-3σ)<X < (130+3σ) ≤OL	LOD <X<(150+3σ) ≤OL
Hg	BL≤(700-3σ)<X <(1300+3σ)≤OL	BL≤(700-3σ)<X <(1300+3σ)≤OL	BL≤(500-3σ)<X <(1500+3σ)≤OL
Cr	BL≤(700-3σ)< X	BL≤(700-3σ)< X	BL≤(500-3σ)< X
Br	BL≤(300-3σ)< X	/	BL≤(250-3σ)< X

- Note:
- BL= Below the XRF screening limit
 - OL=Over the XRF screening limit
 - X=The symbol"X"marks the region where further investigation is necessary.
 - 3σ =The reproducibility of analytical instruments
 - LOD= Detection limit

2. Chemical Test

Test item	Test method	Test instrument	MDL	Limit ^Δ
Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	1000 mg/kg
Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 mg/kg	100 mg/kg
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017	ICP-OES	2 mg/kg	1000 mg/kg
Hexavalent Chromium(Cr(VI))	IEC 62321-7-1:2015 Ed.1.0	UV-Vis	0.10 µg/cm ²	1000 mg/kg
	IEC 62321-7-2:2017 Ed.1.0		8 mg/kg	
Polybrominated Biphenyls(PBBs)	IEC 62321-12:2023 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg
Polybrominated, Diphenyl Ethers(PBDEs)	IEC 62321-12:2023 Ed.1.0	GC-MS	5 mg/kg	1000 mg/kg
Bis-(2-ethylhexyl) Phthalate (DEHP)	IEC 62321-12:2023 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg
Benzyl butyl Phthalate (BBP)	IEC 62321-12:2023 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg
Dibutyl Phthalate (DBP)	IEC 62321-12:2023 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg
Diisobutyl Phthalate (DIBP)	IEC 62321-12:2023 Ed.1.0	GC-MS	30 mg/kg	1000 mg/kg

^ΔThe limit is quoted from RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

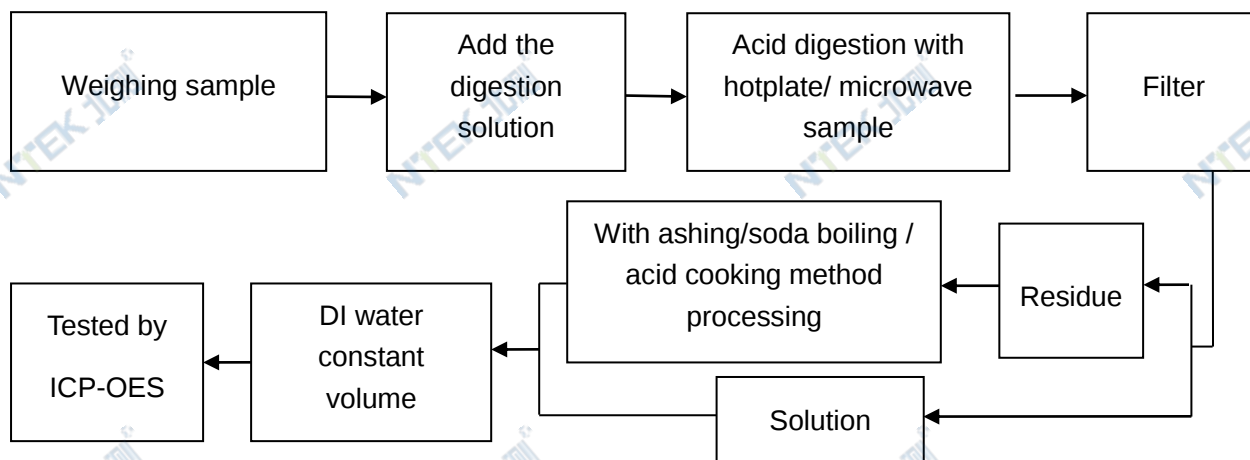
Test instrument:

Test instrument	Instrument number	Instrument model	Calibration effective date
EDXRF	LCS-166-C	EDX1800B	2026-03-27
UV-vis	LCS-158-C	T6	2026-06-03
ICP-OES	LCS-001-C	OPTIMA 8000	2026-06-11
Analytical balance	LCS-165-C	LE84E/02	2026-02-19
Analytical balance	LCS-319-C	ESJ210-4B	2026-03-27
GC-MS	LCS-008-C	QP-2010	2026-10-24
EDXRF	LCS-299-C	EDX-LE Plus	2026-03-27
Analytical balance	LCS-406-C	LAB 214 e	2026-03-27

Test Flow:

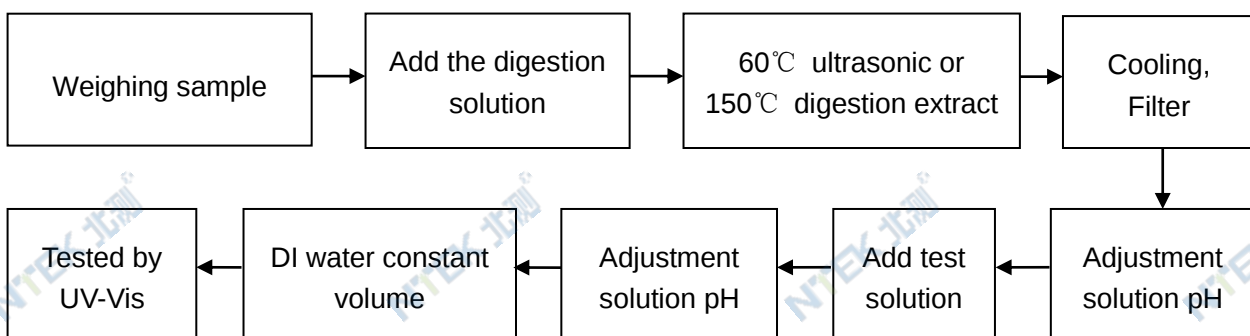
1. Lead(Pb), Cadmium(Cd) , Mercury (Hg)

The sample is completely digested according to the procedure described below

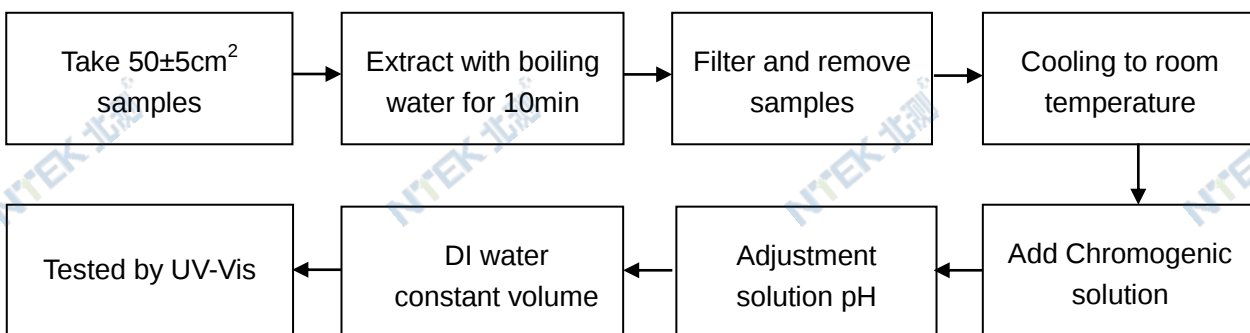


2. Hexavalent Chromium(Cr(VI))

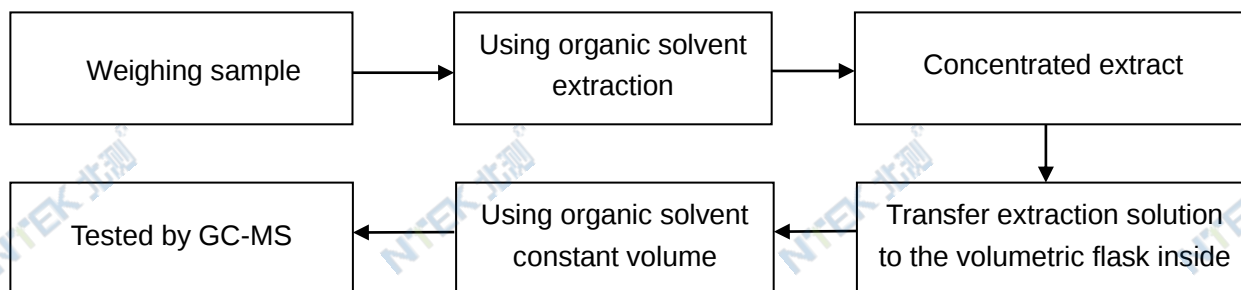
2.1 Non- metal sample(s)



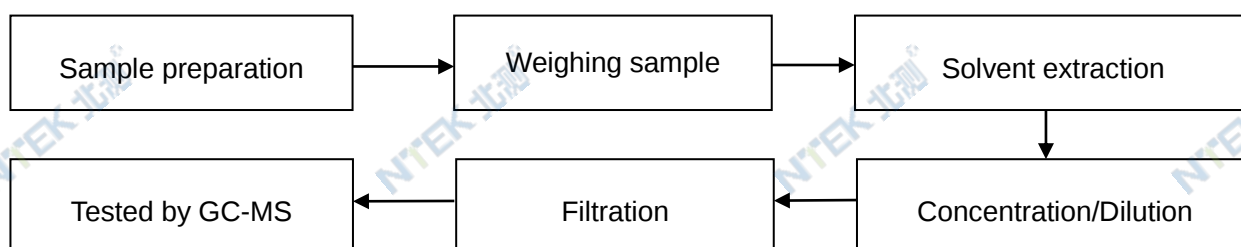
2.2 Metal sample(s)



3. PBBs/ PBDEs



4. Phthalates



Sample photo(s):



Fig.1(Finished photo)Primary test color :Colorful



Fig.2(Finished photo)Test color : Beige



Fig.3 Primary test color :Colorful

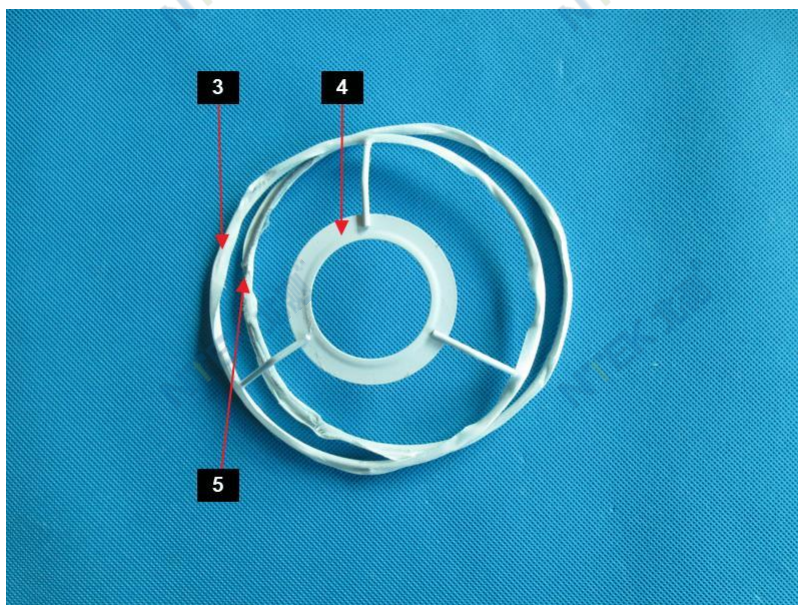


Fig.4 Primary test color :Colorful

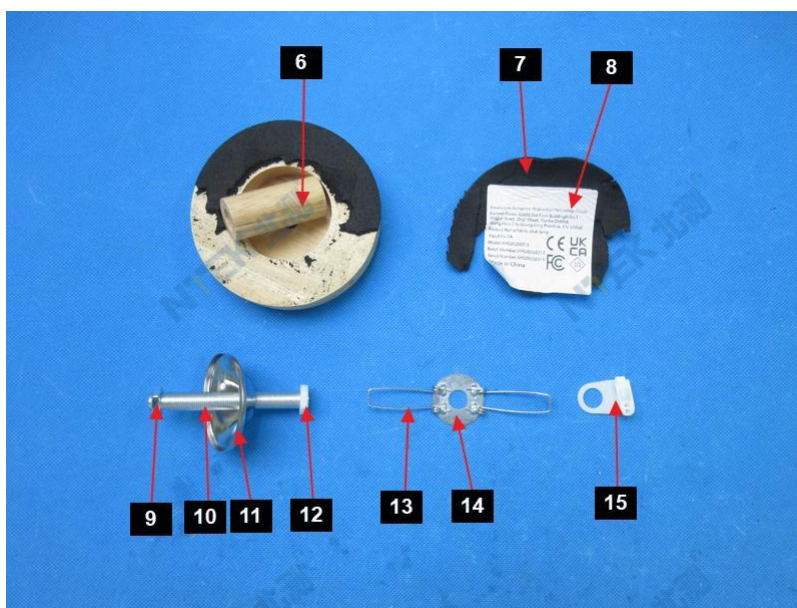


Fig.5 Primary test color :Colorful

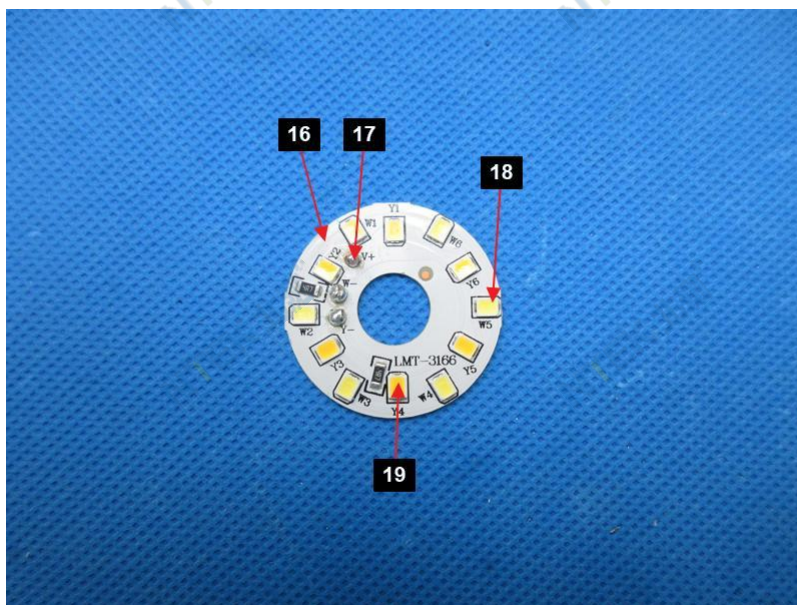


Fig.6 Primary test color :Colorful

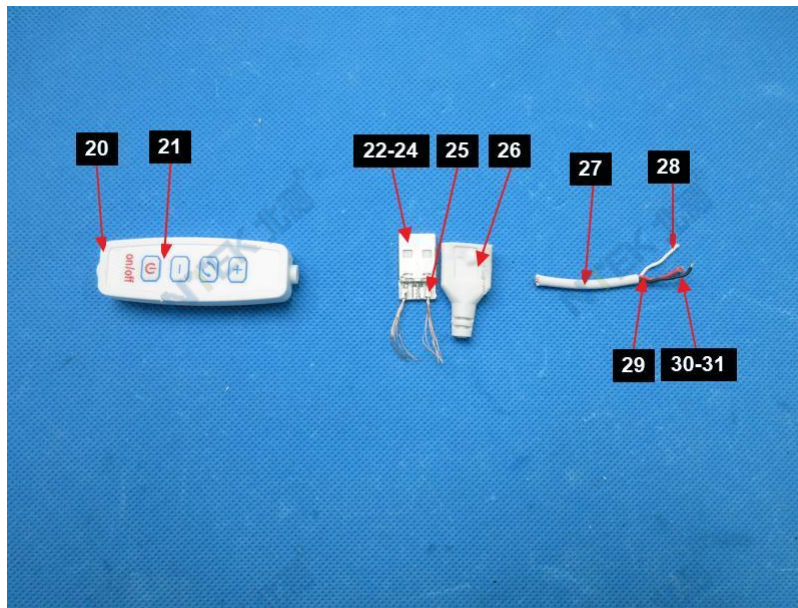


Fig.7 Primary test color :Colorful

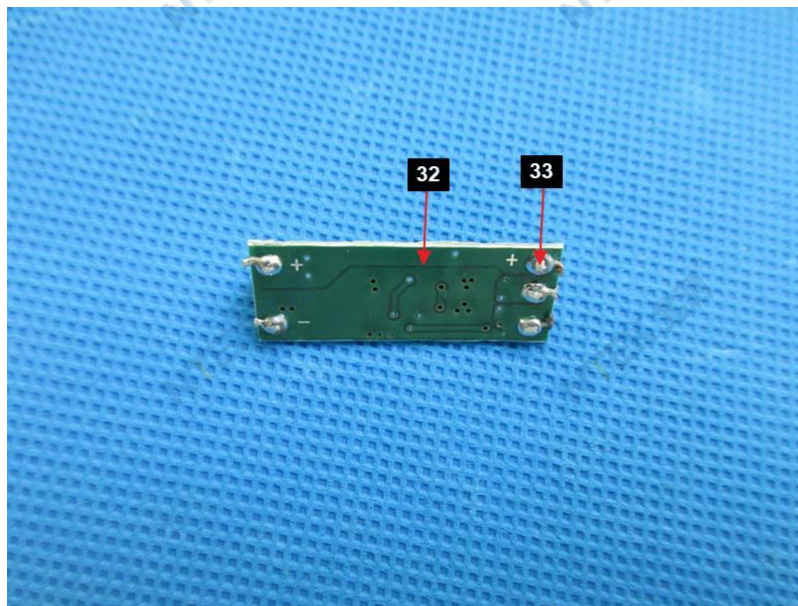


Fig.8 Primary test color :Colorful

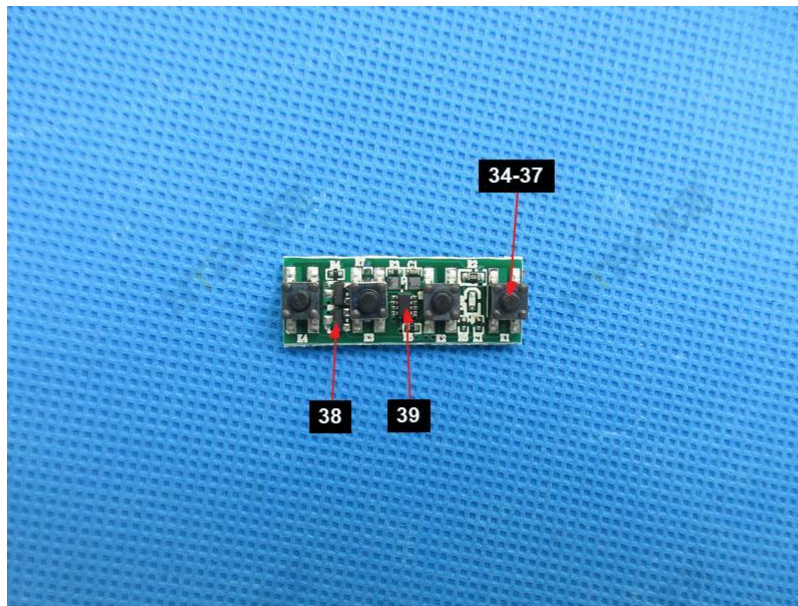


Fig.9 Primary test color :Colorful



Fig.10 Test color : Beige

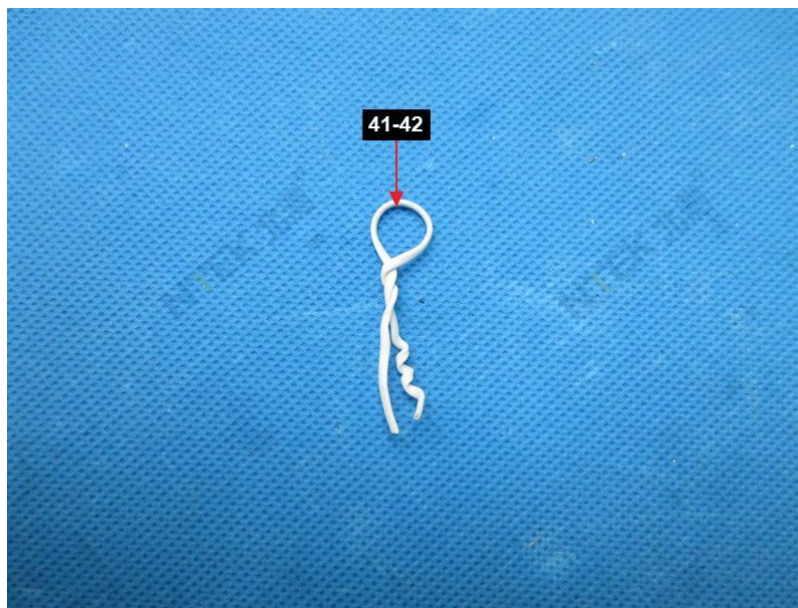


Fig.11 Primary test color :Colorful

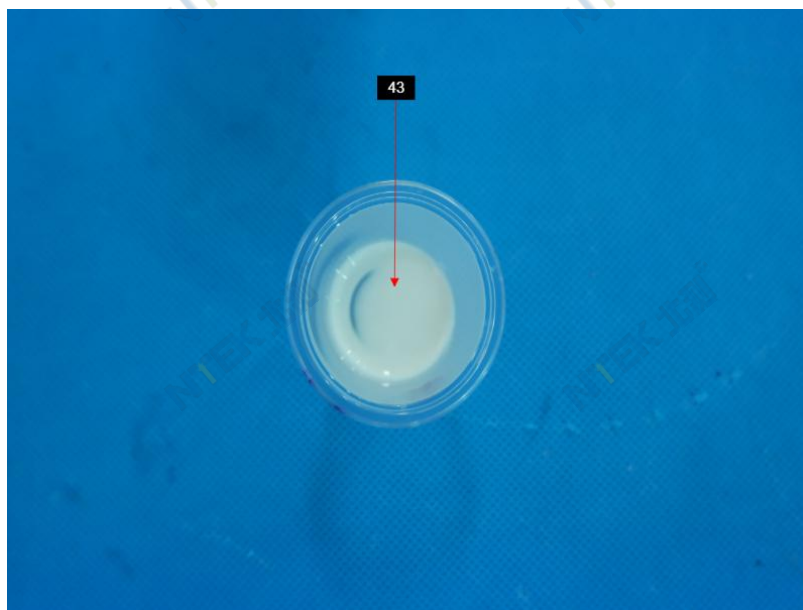


Fig.12



Fig.13

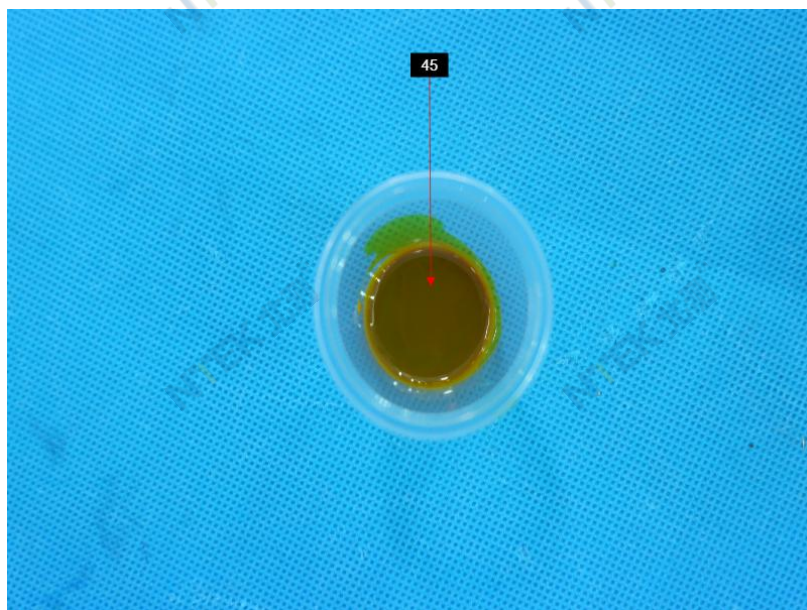


Fig.14

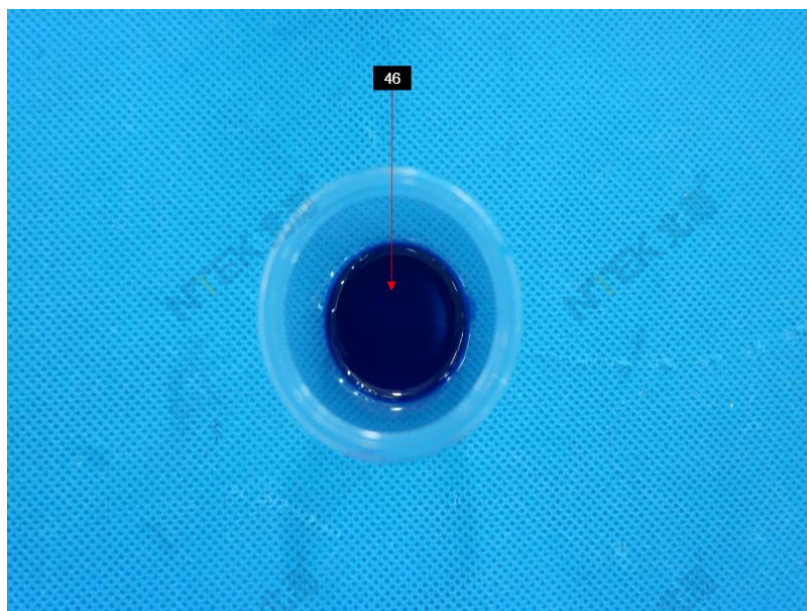


Fig.15

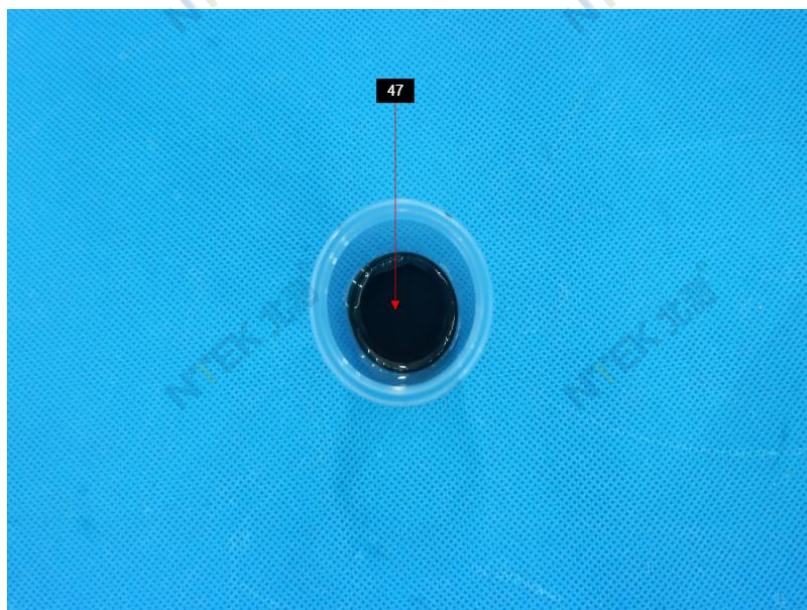


Fig.16

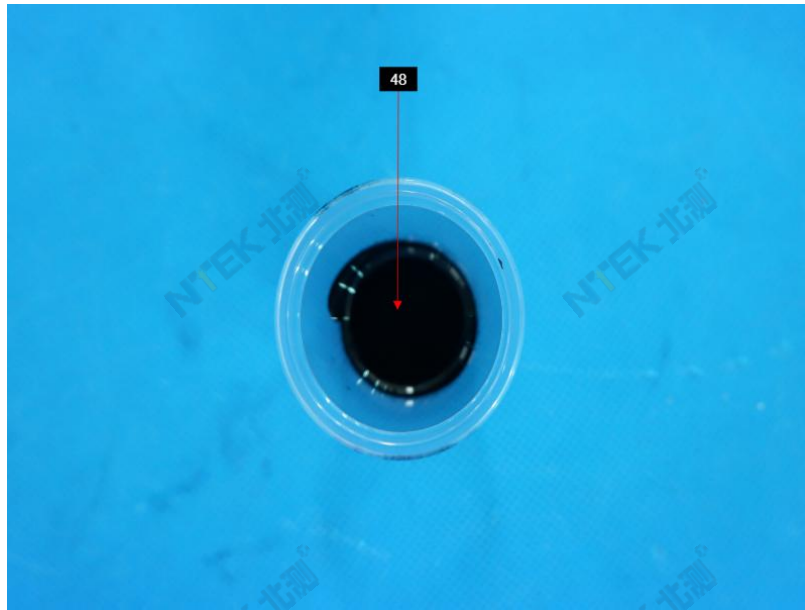


Fig.17

****End of Report****

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