

Report No.:DL-20220607028R

TEST REPORT

Applicant: Yongkang jiebu industry and Trade Co., Ltd

Address: No. 6, yililai Road, Fangyan industrial functional zone, Yongkang City, Zhejiang

Province, China

Manufacturer: Yongkang jiebu industry and Trade Co., Ltd

Address: No. 6, yililai Road, Fangyan industrial functional zone, Yongkang City, Zhejiang

Province, China

Product Name: Hydrogen rich water cup

Trade Mark: N/A

Model Number: AR-08

Series Model No.: AR-01, AR-02, AR-03, AR-04, AR-05, AR-06, AR-07, AR-09, AR-10, AR-11, AR-12,

AR-13

Prepared By: Shenzhen DL Testing Technology Co., Ltd.

Address: 101-201, Building C, Shuanghuan, No.8, Baoqing Road, Baolong Industrial Zone,

Baolong Street, Longgang District, Shenzhen, Guangdong, China

Date of Receipt: Jun. 07, 2022

Date of Test: Jun. 07, 2022 - Jun. 29, 2022

Date of Report: Jun. 30, 2022

Test Requested: With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU.

Test Standard: Please refer to next page(s).

Test Results: Please refer to next page(s).

Conclusion:

As requested by applicant, the submitted sample was/were tested, with is listed as specimen description in the following page. the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Prepared (Engineer): Becky Xu

Approved (Manager): Jade Yang

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.

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Version

Version No.	Date	Description
00	Jun. 30, 2022	Original

Remark:

- (1) There are the results on total Br while test items on restricted substances are PBBs and PBDEs. There are the results on total Cr while test items on restricted substances Cr(VI)
- (2) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg),UV-Vis (for Cr(VI) and GC-MS (for PBBs,PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321-3-1:2013 (unit:mg/kg)

Element	Polymer Materials	Metal Materials	Composite Materials
Cd	BL≤70-3σ <x<130+3σ≤ol< td=""><td>BL≤70-3σ<x<130+3σ≤ol< td=""><td>BL≤50-3σ<x<150+3σ≤ol< td=""></x<150+3σ≤ol<></td></x<130+3σ≤ol<></td></x<130+3σ≤ol<>	BL≤70-3σ <x<130+3σ≤ol< td=""><td>BL≤50-3σ<x<150+3σ≤ol< td=""></x<150+3σ≤ol<></td></x<130+3σ≤ol<>	BL≤50-3σ <x<150+3σ≤ol< td=""></x<150+3σ≤ol<>
Pb	BL≤700-3σ <x<1300+3σ≤ol< td=""><td>BL≤700-3σ<x<1300+3σ≤ol< td=""><td>BL≤500-3σ<x<1500+3σ≤ol< td=""></x<1500+3σ≤ol<></td></x<1300+3σ≤ol<></td></x<1300+3σ≤ol<>	BL≤700-3σ <x<1300+3σ≤ol< td=""><td>BL≤500-3σ<x<1500+3σ≤ol< td=""></x<1500+3σ≤ol<></td></x<1300+3σ≤ol<>	BL≤500-3σ <x<1500+3σ≤ol< td=""></x<1500+3σ≤ol<>
Hg	BL≤700-3σ <x<1300+3σ≤ol< td=""><td>BL≤700-3σ<x<1300+3σ≤ol< td=""><td>BL≤500-3σ<x<1500+3σ≤ol< td=""></x<1500+3σ≤ol<></td></x<1300+3σ≤ol<></td></x<1300+3σ≤ol<>	BL≤700-3σ <x<1300+3σ≤ol< td=""><td>BL≤500-3σ<x<1500+3σ≤ol< td=""></x<1500+3σ≤ol<></td></x<1300+3σ≤ol<>	BL≤500-3σ <x<1500+3σ≤ol< td=""></x<1500+3σ≤ol<>
Br	BL≤300-3σ <x< td=""><td>Q, 00, 1</td><td>BL≤250-3σ<x< td=""></x<></td></x<>	Q, 00, 1	BL≤250-3σ <x< td=""></x<>
Cr	BL≤700-3σ <x< td=""><td>BL≤700-3σ<x< td=""><td>BL≤500-3σ<x< td=""></x<></td></x<></td></x<>	BL≤700-3σ <x< td=""><td>BL≤500-3σ<x< td=""></x<></td></x<>	BL≤500-3σ <x< td=""></x<>

- (a) BL=Below Limit, OL=Over Limit, X=Inconclusive, LOD=Limit of Detection,---=Not regulated.
- (b)The XRF screening test for RoHS elements- the reading may be different to actual content in the sample be of non-uniformity composition
- (3) Chemical Method
- ① With reference to IEC 62321-5:2013, determination of Cadmium, Lead by ICP-OES.
- ② With reference to IEC 62321-4:2013+AMD1:2017 CSV, determination of Mercury by ICP-OES.
- ③ With reference to IEC 62321-7-2:2017, determination of Hexavalent Chromium by UV-Vis.
- With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.
- (5) With reference to IEC 62321-8:2017, determination of Phthalates by GC-MS.
- (4) (a) mg/kg=0.0001%,MDL=MDL=Method Detection Limit,(c)ND=Not Detected(<MDL)
 - ---=Not Regulated
 - (b) Unit and MDL in wet chemical test

Test Item	Pb	Cd	Hg	DBP	BBP	DEHP	DIBP
Unit	mg/kg						
MDL	10	10	_10	100	100	100	100

The MDL for single compound of PBBs and PBDEs is 100 mg/kg

MDL of Cr(VI) for polymer and composite sample is 10 mg/kg

MDL of Cr(VI) for metal sample is 0.10ug/cm²

- (c) ▼=Metal sample
- a. The sample is negative for Cr⁶⁺ if Cr⁶⁺ is N.D. (below the limit 0.10ug/cm²⁾. The coating is considered a non Cr⁶⁺ based coating.
- b. The sample positive for Cr⁶⁺ if the Cr⁶⁺ concentration is greater than 0.13ug/cm². The sample coating is considered to contain Cr⁶⁺.
- c.The result between 0.10ug/cm² and 0.13ug/cm² is considered to be inconclusive unavoidable coating variations may influence the determination.

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Tested Sample/Part Description:

cimen No.	Component Description(s)	Style
01	Silver metal	OV COT -
02	Black plastic	of On Car-
03	White silica gel	Co of Cont
04	Grey silicone	ON ON - CONT
05	Transparent glass	
06	Silver metal screw	Co Or.
07	Black plastic	St. O. Co.
08	Brown plastic tape content	Cay Or Ca.
09	Black plastic	Sign Stco
10 🔎	Black plastic	Original Original Control
11 0	Silver metal	dri cert - Or
12	Black plastic triode	X OY COX -
13	Black plastic IC	Cox X Di Got
14	Black plastic IC	Cert X OV- cert
15	Silver solder	DY COLUMN
16	Green plastic PCB	Dr. Cerr
17	Silver metal	in of con-
18	White silica gel	Cot
19	White plastic	Cert of -cert
20 0	Silver metal pin	
21	White rubber cover	V 1,0° at -0°
22 🛇	White rubber leather), Co , K - 0)
23	Pink rubber leather	
24	Yellow metal conductor	Cott V Co
25	White silica gel	dr. Carr dr. Co.
26	Silver metal	Or Colt D. W.

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Test Results:

The results of XRF screening and chemical test (Unit: mg/kg)

Part No.	s of XRF screening and che Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
,	Pb	BL	0V	Ç	× <
- or	Cd	O BL	, ,0	x. 0	-01
01 X	Hg 🧷	BL	x> G	Dana	2 12
ý 01 s	Cr(Cr ⁶⁺)	BL	<i>9 2</i>	Pass	C.
	Br(PBBs&PBDEs)	~	O'	Co.	N' at
	DBP,BBP,DEHP,DIBP	, ×	, Co <	- or	, Ço
	Pb	BL	20,	7	0
Y	Cd	BL	·	Or Cor	
×500	Hg	BL	O,Co,	DOV.	× , 0,
02	Cr(Cr ⁶⁺)	BL	A Contraction	Pass	
0	Br(PBBs&PBDEs)	BL	<u> </u>	. 0	-01
Ò	DBP,BBP,DEHP,DIBP	·	N.D.	-01	X.
0	Pb	BL	CO	Y 2	0 00
	Cd	BL	/ <u>*</u> O [*]	Co,	
\bigcirc	Hg	BL SI	C°	~ ~ ~	, O
03	Cr(Cr ⁶⁺)	BL	OVO'N	Pass	
	Br(PBBs&PBDEs)	BL	<u>0</u> x	0 -0	
χ.	DBP,BBP,DEHP,DIBP	x	N.D.	V	<
0	Pb	BLO		X O	CO
/ X	Cd	BL	, C	3	
Co	Hg	BL	, _{\(\sigma \)}		,C°
04	Cr(Cr ⁶⁺)	BL O	-0/	Pass	N 1 0
· ·	Br(PBBs&PBDEs)	BL	X X	Y col	V
\bigcirc	DBP,BBP,DEHP,DIBP	DL	N.D.	2,0	\bigcirc
	Pb	BL v	N.D.	- O., O.,	
a K	Cd	BL	0		of V
,	Hg	BL	OV cert	, ,	×
05	Cr(Cr ⁶⁺)	BL BL	· · · · · ·	Pass	- OI
.,0	Br(PBBs&PBDEs)		× 0×	S	-X-
\Diamond_{λ}		BL	O ND		D. Co.
	DBP,BBP,DEHP,DIBP		N.D.	, Co	*
	Pb Cd	BL O	, C x	Or coll	, , ,
	NY AN	BL BL	Or Calc	, 0	
06	Hg Cr(Cr6+)	BL		Pass	1
, X	Cr(Cr ⁶⁺)	BL	O Co.		, it
Co	Br(PBBs&PBDEs)	~ <u></u> Co			Co.
<i>2</i>	DBP,BBP,DEHP,DIBP		<u>~</u>	1 x	-00
,0	Pb	BL C	· · · · · · · · · · · · · · · · · · ·	60	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
\bigcirc	Cd	BL V	Ce	× ×	Or Cor
07	Hg	BL		Pass	1
O,	Cr(Cr ⁶⁺)	BL	γ <u>, </u>	OV of	
	Br(PBBs&PBDEs)	© BL ×		, jo	x 0
e	DBP,BBP,DEHP,DIBP	V	N.D.	- X	25
, X	Pb	BL	O ^Y CO		
Co,	Cd	BL Ø		X O'	Co.
08	∠ SHg S	BL	0	Pass	10
y 55	Cr(Cr ⁶⁺)	BL	, , W	1 400	,00
OV	Br(PBBs&PBDEs)	BL 🔿	V	X.	0
~	DBP,BBP,DEHP,DIBP	-01	N.D.	0	, ,

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Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
	Pb	- BL	, /º x	0	
χ	Cd	BL	O O		
	Hg	CBL	- X	O, Co,	
09	Cr(Cr ⁶⁺)	BL of	O. Co.	Pass	× 1
00,		BL			0
-05	Br(PBBs&PBDEs)		ND O	× 0	- of
, , , ,	DBP,BBP,DEHP,DIBP		N.D.	- CO	, O
\Diamond	Pb	BL O		2	0, 00
	Cd	BL	√ X ◊	Co,	
10	Hg	BL	O. O a.	Pass	7
	Cr(Cr ⁶⁺)	BL	~~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~ ~~	7 1 400	, 0
o'N	Br(PBBs&PBDEs)	BL	,O	0	OC.
) X.	DBP,BBP,DEHP,DIBP	<u>, 0</u>	N.D.		,
CO	Pb	♥BL ♥		- N	Co
	Cd	BL	V		N of
V	Hg	BL	,c° ~	- eit	Y ,C°
11	Cr(Cr ⁶⁺)	x BL	/ · _ ·	Pass	
	Br(PBBs&PBDEs)	- O	x	Or cell	·
<	7	, 	OV COL	,	
	DBP,BBP,DEHP,DIBP	Č.		O, (0)	
, N	Pb	BL	Ø Co.		
Co	Cd	O BL	-0		Ç,
12,0	Hg 🔎	BL	C	Pass	- P
-0	Cr(Cr ⁶⁺)	BL	× ×	- O' 400	
\Diamond	Br(PBBs&PBDEs)	BL O			0, 00
	DBP,BBP,DEHP,DIBP		N.D.	Co.	
\Diamond .	Pb	BL	V 0 <u></u>		
	Cd	∫ BL .	OV o ^X	Ç	. 0
e ⁽ , _	Hg	BL		_0\	or .
13	Cr(Cr ⁶⁺)	BL	O^{Σ}	Pass	
CO	Br(PBBs&PBDEs)	BL C		X O'	CONT.
~\`	DBP,BBP,DEHP,DIBP	0	N.D.		N' at
9	Pb	BL	O IV.D.	-0	,,,
OV	Cd	BL O		, O x	0
~	· · · · · · · · · · · · · · · · · · ·			Or coll	
14	Hg	BL	0, 00	Pass	10
	Cr(Cr ⁶⁺)	BL		O. Co.	
e.X	Br(PBBs&PBDEs)	BL	V ,C	, ov	-05
0	DBP,BBP,DEHP,DIBP	·,0°	N.D.		,0
-01	Pb	OL	N.D.	x 0	COL
	Cd	BL	′ × ◇ ·	CO	2
15	Hg	BL 🛇 🐪	Co	Pass	lun 20 2021
10	Cr(Cr ⁶⁺)	BL		F a 5 5	Jun.29,2022
\sim	Br(PBBs&PBDEs)	- o ⁻	ν <u>,</u> Ο <u>΄</u> ,	OV -OK	
×	DBP,BBP,DEHP,DIBP	, x	O e C	Y	x 0
e C	Pb	BL		Q C	0
X .	Cd	BL	Col		~
Co,		BL		S.K. O.	Co.
16	Hg Cr(Cr6+)			Pass	V Lat
y Ç	Cr(Cr ⁶⁺)	BL	O ND	- 0 ¹	, Ç
01	Br(PBBs&PBDEs)	OL O	N.D.	, O x	0
~	DBP,BBP,DEHP,DIBP	-o V	N.D.	OY COLL	, ,

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Part No.	Element Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
	Pb	BL	x	0, 00	
× ×	Cd	BL	O, CO,		
4-	Hg	BL	12- at	5. 00	,
17.	Cr(Cr ⁶⁺)	OV BL		Pass	
,C° ,	Br(PBBs&PBDEs)		x -0 ce		, C
C.00	DBP,BBP,DEHP,DIBP	<u> </u>	J.	× 0	CO
	Pb	OL O	N.D.	C _O ,	N a
	Cd	BL	, Co	V - o'C	, Co
0)	Hg	BL		1 CO X	0,
18	Cr(Cr ⁶⁺)	BL	X	Pass	Jun.29,2022
X	Br(PBBs&PBDEs)	BL	O,C ₀ ,		× 0
0	DBP,BBP,DEHP,DIBP	5	N.D.	, C	,
-0	Pb	BL O	IN.D.	x O	-0
,0	Cd	BL	×	, O	, O x
\Diamond_{λ}	Ø - ×	BL	Co' -	Z.	O. Co.
19	Hg Cr(Cr ⁶⁺)	BL O		Pass) I
			,	OV -OIL	
	Br(PBBs&PBDEs)	S BL	Or March	,00	
~	DBP,BBP,DEHP,DIBP		N.D.	0, 00	
	Pb	BL	O Co.		× .
00.	Cd	O BL			ǰ .
20	Hg C	BL	C	Pass	- I
	Cr(Cr ⁶⁺)	OL	N.D.	C.O. 400	
\Diamond	Br(PBBs&PBDEs)	× O		,	0, 00
	DBP,BBP,DEHP,DIBP) Co.	
	C Pb	OL	N.D.	01 -01	
×	Cd	○ BL ×	or er	,00	x. 0
21	Hg 🗶	BLØ	 0 ×	Door	lun 20 202
21	Cr(Cr ⁶⁺)	BL	$O_{\overline{\Lambda}} = O_{O_{\overline{\Lambda}}}$	Pass	Jun.29,202
Co,	Br(PBBs&PBDEs)	BL O	\(\)	E.K. O.	Co.
V	DBP,BBP,DEHP,DIBP	>	N.D.	po į ,	ov - 012
, O	Pb	BL	, x O	- ec	,0
	G Cd	→ BL		2	O,
	Hg	BL	t	O. Co.	
22	Cr(Cr ⁶⁺)	BL	<u>C</u>	Pass	
*	Br(PBBs&PBDEs)	BL	OV OK	, Co	X
COL	DBP,BBP,DEHP,DIBP	O	N.D.		CO
<i>/</i>	Pb	BL	14.57		
O.	Cd	BL		-oit	Ç
0	Hg	BL		,G X	0 0
23	Cr(Cr ⁶⁺)	BL		Pass	
\bigcirc		X 1	D. Co.	X X	\Diamond_{\star}
-	Br(PBBs&PBDEs)	BL	OV N.D. of	O. Co.	
X	DBP,BBP,DEHP,DIBP		N.D.	OÝ -	× ×
×	Pb	BL	O'V COL	v ,C	
COL	Cd	BL	<u></u>	× 0	00
24	Hg	BL	O'	Pass	1 2
) - i	Cr(Cr ⁶⁺)	BL	Co	1 400	Co.
	Br(PBBs&PBDEs)	× 6	/ \\	, O ,	0
~	DBP,BBP,DEHP,DIBP	· · · · · ·	, O x	0 -00	, ,

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ALCON DLCON

Part No.	Shenzhen DL Testing Element	X-ray Screening	Results of chemical test	Report No.:DL-2 Conclusion on RoHS EU	Sample Resubmitted
	Pb	OL OL	N.D.	O. Co.	OV.
	Cd	BL	, , , , , , , , , , , , , , , , , , , 	OV05	
25	Hg Cr(Cr6+)	BL X BL	OV-	Pass	Jun.29,2022
	Cr(Cr ⁶⁺) Br(PBBs&PBDEs)	BL		, C	So.
	DBP,BBP,DEHP,DIBP	BL 	N.D.	(x 0	C.O.C.
	Pb	OL OL	N.D.	CS	
	Cd	BL	C	V of	Q, Co.
0	Hg	BL			
26	Cr(Cr ⁶⁺)	BL	at	Pass	Jun.29,2022
	Br(PBBs&PBDEs)		,C	OV	.01
	DBP,BBP,DEHP,DIBP	0		V	7 X

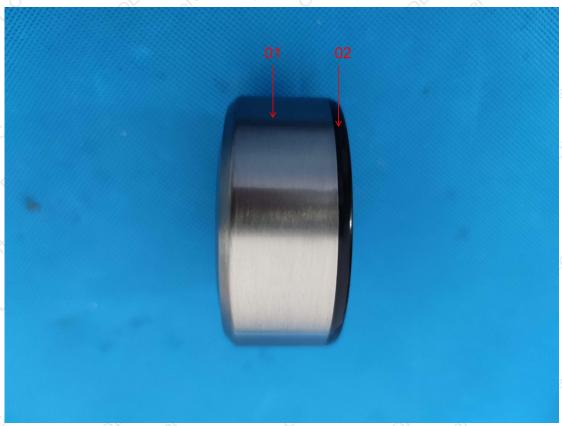
OL-Cert Or Cert ,ce^{tt} Tel: 400-688-3552 Web:www.dl-cert.com Email: service@dl-cert.com Page 7 of 13 Test Report Ol. Cert OL. Cert Or.Ce OLCert Or, Ce

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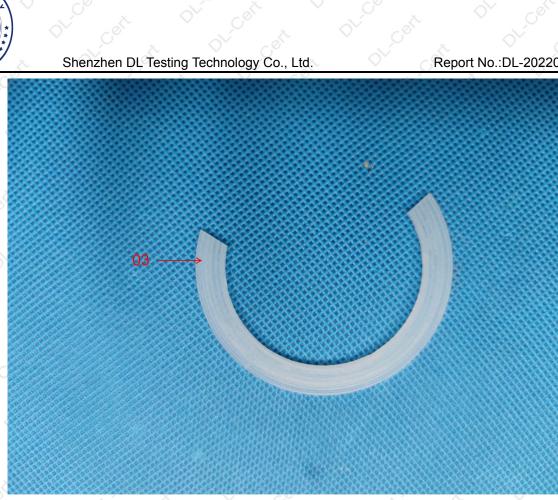
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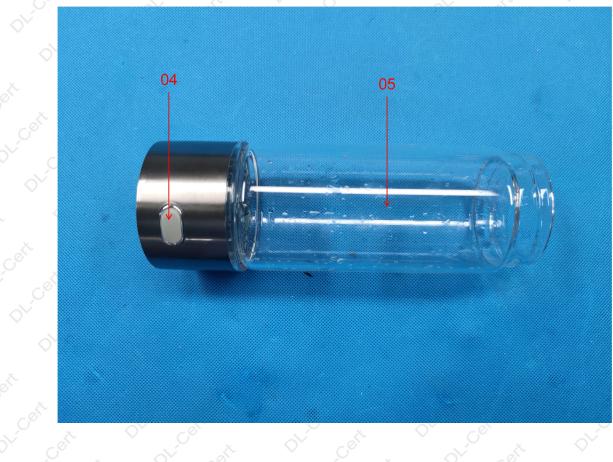




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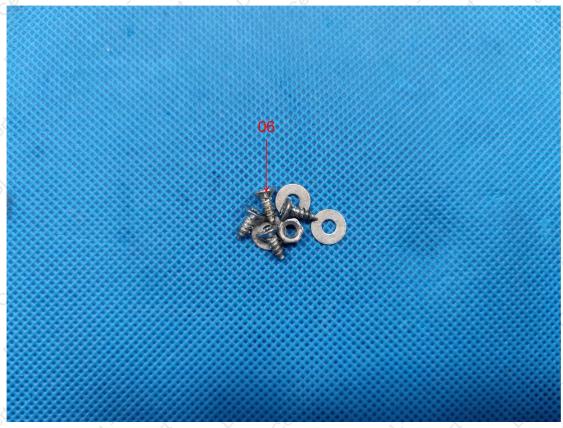






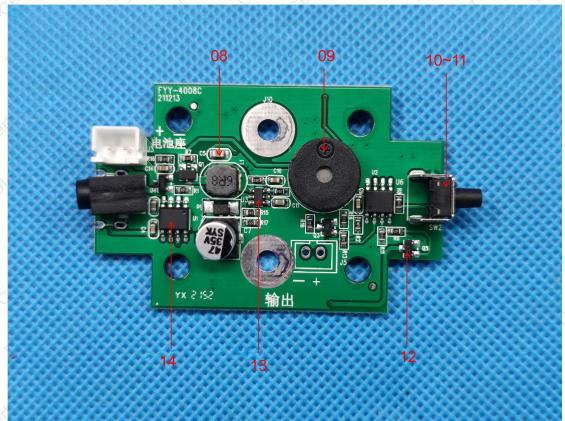
Test Report Web:www.dl-cert.com Email: service@dl-cert.com Page 9 of 13 Tel: 400-688-3552 OL. Cort OL: Cart

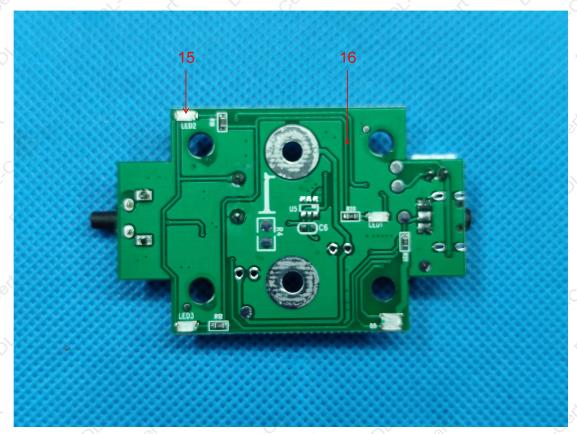




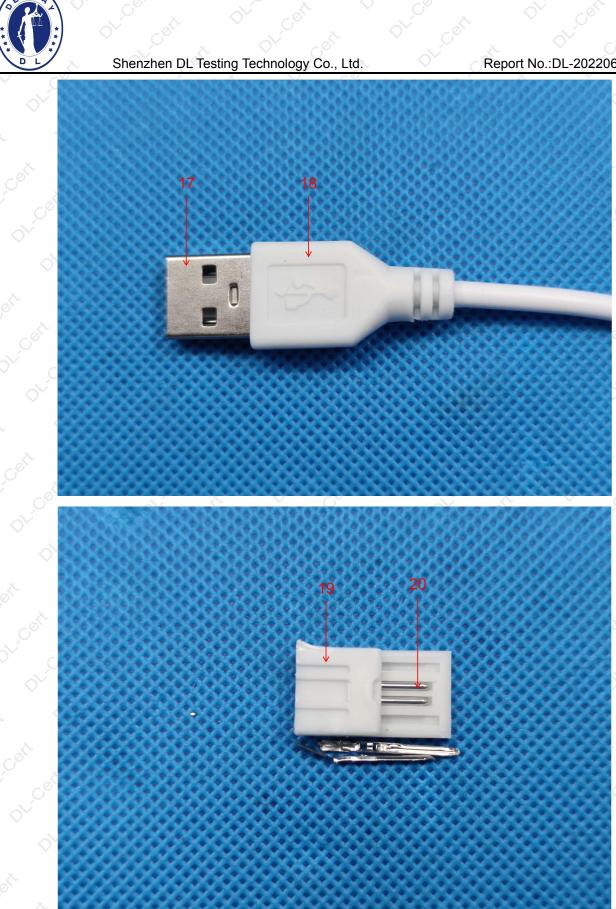




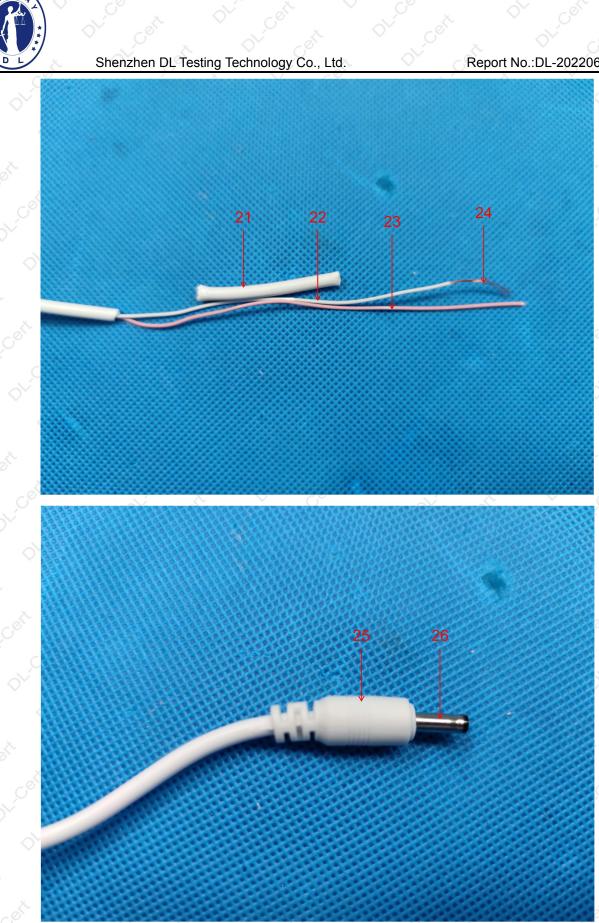












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