

TEST REPORT

Report No.: HA0121NB080212CH

Date: December 09, 2021

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Applicant : YUYAO LIUYANG APPLIANCES OF AUTO CAR CO., LTD
Address : 6-1, Huangjianshan Ind. Zone, Yuyao City, Zhejiang Province, China
315400
Manufacturer : YUYAO CARZKOOL APPLIANCES OF AUTO CAR CO., LTD
Address : 6-1, Huangjianshan Ind. Zone, Yuyao City, Zhejiang Province, China
315400

The following samples were submitted and identified by/on behalf of the client as:

Sample Description : CAR AIR PUMP
Model No. : CZK-5626
Model list : CZK-3631, CZK-3632, CZK-3635, CZK-3638, CZK-3651, CZK-3652,
CZK-3654, CZK-3656, CZK-3658, CZK-3659, CZK-3660, CZK-3664,
CZK-3665, CZK-3667, CZK-3670, CZK-3671, CZK-3673, CZK-3677,
CZK-3679, CZK-3680, CZK-3681, CZK-3685, CZK-3686, E280,
CZK-3690, CZK-3691, CZK-3692, CZK-3693, CZK-3694
Date of Sample Received : August 16, 2021
Sample Testing Date : August 16, 2021 to August 26, 2021

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

Compiled by:

Lucy Qiu

Lucy Qiu / Project Engineer

Reviewed by:



Laboratory Supervisor

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Test Requested	In accordance with the RoHS Directive 2011/65/EU and amend Directive (EU) 2015/863.
Test Method	<ul style="list-style-type: none">- With reference to IEC 62321-2:2013, disassembly, disjointment and sample preparation were performed.- With reference to IEC 62321-3-1:2013, screening by EDXRF Spectroscopy.- With reference to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP-OES.- With reference to IEC 62321-5:2013, determination of Lead, Cadmium by ICP-OES.- With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.- With reference to IEC 62321-7-2:2017 & IEC 62321-7-1:2015, determination of Hexavalent Chromium by spot test/Colorimetric using UV-Vis.- With reference to IEC 62321-8:2017, determination of Diisobutyl phthalate(DIBP), Dibutyl phthalate(DBP), Benzylbutyl phthalate(BBP) and Bis(2-ethylhexyl) phthalate (DEHP) by GC-MS.
Test Result	Please refer to next pages.
Test Conclusion	Based on the performed tests on the submitted samples, the results comply with the RoHS Directive 2011/65/EU and amend Directive (EU) 2015/863.

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Sample Disassembly List

Part No.	Parts/Raw material name	
	Component Name	Part Description
1	Casing parts	Black plastic shell
2		Silver plastic ring
3		Black plastic cover
4		Black rubber button
5		Black rubber gasket
6		White rubber gasket
7		Black plastic button
8		Silver plastic button
9	Switch parts	Silver metal shell (switch)
10		Black plastic button (switch)
11		Silver metal ball (switch)
12		Silver metal spring (switch)
13		Silver metal contact (switch)
14		Black plastic shell (switch)
15		Soldering tin (switch)
16		Silver metal pin (switch)
17	White glue	
18	Wire parts	Transparent LED
19		Silver metal pin
20		Soldering tin
21		Copper metal wire core
22		Black plastic wire jacket
23		White glue plastic wire jacket
24		Rose red plastic wire jacket
25		Grey plastic wire jacket

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Ningbo HATEK Co., Ltd.

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Sample Disassembly List

Part No.	Parts/Raw material name	
	Component Name	Part Description
26	Wire parts	Silver metal wire core
27	PCB board parts	Silver metal shell (switch)
28		Golden metal button (switch)
29		SMD audion
30		SMD capacitor
31		SMD IC
32		SMD resistor
33		SMD audion
34		Display
35		SMD IC
36		Silver metal interface
37		Inductor
38		White plastic terminal
39		Green PCB board
40		Soldering tin (PCB board)
41		Green PCB board
42		Black sponge glue
43		Silver metal screw
44		Soldering tin (PCB board)
45		Green PCB board
46		Soldering tin (PCB board)
47	Silver metal screw	
48	Motor parts	Golden metal button
49		Beige plastic shell
50		Silver metal screw

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Sample Disassembly List

Part No.	Parts/Raw material name	
	Component Name	Part Description
51	Motor parts	Semi-transparent rubber gasket
52		Black rubber tube
53		Silver metal screw
54		Black plastic
55		Golden metal threaded stud
56		Black rubber gasket
57		Black soft plastic button
58		Silver metal spring
59		Silver metal base material
60		Silver metal screw
61		Beige plastic shaft
62		Silver metal gear
63		Black metal button
64		Black plastic gasket
65		Silver metal
66		Beige plastic fans (motor)
67		Silver metal shell (motor)
68		Silver metal shell (motor)
69		Magnet (motor)
70		Silver metal wire (motor)
71		Silver metal gear (motor)
72		Golden metal pin (motor)
73		Silver metal cover (motor)
74		Soldering tin (motor)
75		Silver metal button (motor)

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Sample Disassembly List

Part No.	Parts/Raw material name	
	Component Name	Part Description
76	Motor parts	Beige plastic cover (motor)
77		Golden metal shaft (motor)
78		Copper metal contact (motor)
79		Carbon (motor)
80		Bearing (motor)
81		Copper winding (motor)
82		Silver silicon steel sheet (motor)
83		White plastic bobbin (motor)
84		Copper metal slice (motor)
85		White plastic gasket (motor)
86	Silver metal motor shaft	
87	Inner parts	Blue plastic sleeve (battery)
88		Green paper
89		Black sponge glue
90		SMD audion
91		Green PCB board
92	Soldering tin (PCB board)	
93	Wire parts	Black plastic wire jacket
94		Red plastic wire jacket
95	Other parts	Golden metal head
96		Silver metal button
97		Black rubber sleeve
98		Black heat shrink tubing
99		White rubber ring
100		Black plastic tube

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Sample Disassembly List

Part No.	Parts/Raw material name	
	Component Name	Part Description
101	Other parts	Black plastic
102		Silver metal
103		Golden metal
104		Black rubber ring
105	Power line parts	Silver metal plug shell
106		Golden metal pin
107		White plastic plug core
108		Soldering tin
109		Black plastic plug shell
110		Silver metal plug shell
111		Black plastic plug core
112		Silver metal pin
113		Green PCB board
114		Soldering tin (PCB board)
115		Black plastic wire jacket
116		Red plastic wire jacket
117		Black plastic side wire jacket

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Screening Test by XRF Spectroscopy											
Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
1	Black plastic shell	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
2	Silver plastic ring	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
3	Black plastic cover	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
4	Black rubber button	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
5	Black rubber gasket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
6	White rubber gasket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
7	Black plastic button	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
8	Silver plastic button	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
9	Silver metal shell (switch)	N.D.	BL	N.D.	BL	N.D.	BL	18664 2	IN	---	---
10	Black plastic button (switch)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
11	Silver metal ball (switch)	N.D.	BL	N.D.	BL	N.D.	BL	17198 3	IN	---	---
12	Silver metal spring (switch)	N.D.	BL	N.D.	BL	N.D.	BL	17092 7	IN	---	---
13	Silver metal contact (switch)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
14	Black plastic shell (switch)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
15	Soldering tin (switch)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
16	Silver metal pin (switch)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
17	White glue	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
18	Transparent LED	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	1295	IN
19	Silver metal pin	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
20	Soldering tin	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
21	Copper metal wire core	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
22	Black plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
23	White glue plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL

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Screening Test by XRF Spectroscopy											
Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
24	Rose red plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
25	Grey plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
26	Silver metal wire core	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
27	Silver metal shell (switch)	N.D.	BL	N.D.	BL	N.D.	BL	35539	IN	---	---
28	Golden metal button (switch)	N.D.	BL	N.D.	BL	N.D.	BL	41104	IN	---	---
29	SMD audion	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
30	SMD capacitor	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
31	SMD IC	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
32	SMD resistor	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
33	SMD audion	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
34	Display	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
35	SMD IC	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
36	Silver metal interface	N.D.	BL	N.D.	BL	N.D.	BL	60314	IN	---	---
37	Inductor	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
38	White plastic terminal	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
39	Green PCB board	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
40	Soldering tin (PCB board)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
41	Green PCB board	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
42	Black sponge glue	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
43	Silver metal screw	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
44	Soldering tin (PCB board)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
45	Green PCB board	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
46	Soldering tin (PCB board)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
47	Silver metal screw	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
48	Golden metal button	N.D.	BL	N.D.	BL	N.D.	BL	3999	IN	---	---

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Screening Test by XRF Spectroscopy											
Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
49	Beige plastic shell	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
50	Silver metal screw	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
51	Semi-transparent rubber gasket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
52	Black rubber tube	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
53	Silver metal screw	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
54	Black plastic	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
55	Golden metal threaded stud	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
56	Black rubber gasket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
57	Black soft plastic button	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
58	Silver metal spring	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
59	Silver metal base material	25371	OL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
60	Silver metal screw	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
61	Beige plastic shaft	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
62	Silver metal gear	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
63	Black metal button	N.D.	BL	N.D.	BL	N.D.	BL	1585	IN	---	---
64	Black plastic gasket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
65	Silver metal	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
66	Beige plastic fans (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
67	Silver metal shell (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
68	Silver metal shell (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
69	Magnet (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
70	Silver metal wire (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
71	Silver metal gear (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
72	Golden metal pin (motor)	65492	OL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
73	Silver metal cover (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---

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Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
74	Soldering tin (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
75	Silver metal button (motor)	55018	OL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
76	Beige plastic cover (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
77	Golden metal shaft (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
78	Copper metal contact (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
79	Carbon (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
80	Bearing (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
81	Copper winding (motor)	N.D.	BL	N.D.	BL	N.D.	BL	1247	IN	---	---
82	Silver silicon steel sheet (motor)	N.D.	BL	N.D.	BL	N.D.	BL	1770	IN	---	---
83	White plastic bobbin (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
84	Copper metal slice (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
85	White plastic gasket (motor)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
86	Silver metal motor shaft	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
87	Blue plastic sleeve (battery)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
88	Green paper	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
89	Black sponge glue	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
90	SMD audion	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	2405	IN
91	Green PCB board	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	1848	IN
92	Soldering tin (PCB board)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
93	Black plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
94	Red plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
95	Golden metal head ▲	25739	OL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
96	Silver metal button	N.D.	BL	N.D.	BL	N.D.	BL	14601 5	IN	---	---
97	Black rubber sleeve	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL

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Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening
98	Black heat shrink tubing	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
99	White rubber ring	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
100	Black plastic tube	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
101	Black plastic	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
102	Silver metal	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
103	Golden metal ▲	33416	OL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
104	Black rubber ring	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
105	Silver metal plug shell	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
106	Golden metal pin	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
107	White plastic plug core	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
108	Soldering tin	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
109	Black plastic plug shell	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
110	Silver metal plug shell	N.D.	BL	N.D.	BL	N.D.	BL	81257	IN	---	---
111	Black plastic plug core	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
112	Silver metal pin	N.D.	BL	N.D.	BL	N.D.	BL	11327	IN	---	---
113	Green PCB board	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	9641	IN
114	Soldering tin (PCB board)	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	---	---
115	Black plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
116	Red plastic wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL
117	Black plastic side wire jacket	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL	N.D.	BL

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Screening Test by XRF Spectroscopy

Part No.	Part Description	Result (mg/kg)									
		Pb	screening	Cd	screening	Hg	screening	Cr	screening	Br	screening

Remark:

1. BL= Below Limit, OL= Over Limit, LOD = Limit of Detection, --- = Not Regulated, / = Not Tested
2. "IN" expresses the inconclusive region, and further chemical testing to confirm whether it complies with the requirement of RoHS Directive.
3. mg/kg= milligram per kilogram.
4. The XRF screening test for RoHS elements – the reading may be different to the actual content in the sample be of non-uniformity composition.
5. N.D. = Not Detected, less than the value of Method Detection Limit.
6. Results are obtained by EDXRF for primary screening, and further chemical testing by ICP (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 IEC 62321-3-1:2013 (unit: mg/kg)

Element	Polymer	Metal	Composite Materials
Cd	$BL \leq (70-3\sigma) < IN < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < IN < (130+3\sigma) \leq OL$	$LOD < IN < (150+3\sigma) \leq OL$
Pb	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < IN < (1500+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < IN < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < IN < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < IN$	$BL \leq (700-3\sigma) < IN$	$BL \leq (500-3\sigma) < IN$
Br	$BL \leq (300-3\sigma) < IN$	---	$BL \leq (250-3\sigma) < IN$

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Confirmation Test by Wet Chemistry								
Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
1	Black plastic shell	/	/	/	/	/	/	P
2	Silver plastic ring	/	/	/	/	/	/	P
3	Black plastic cover	/	/	/	/	/	/	P
4	Black rubber button	/	/	/	/	/	/	P
5	Black rubber gasket	/	/	/	/	/	/	P
6	White rubber gasket	/	/	/	/	/	/	P
7	Black plastic button	/	/	/	/	/	/	P
8	Silver plastic button	/	/	/	/	/	/	P
9	Silver metal shell (switch)	/	/	/	Negative	---	---	P
10	Black plastic button (switch)	/	/	/	/	/	/	P
11	Silver metal ball (switch)	/	/	/	Negative	---	---	P
12	Silver metal spring (switch)	/	/	/	Negative	---	---	P
13	Silver metal contact (switch)	/	/	/	/	---	---	P
14	Black plastic shell (switch)	/	/	/	/	/	/	P
15	Soldering tin (switch)	/	/	/	/	---	---	P
16	Silver metal pin (switch)	/	/	/	/	---	---	P
17	White glue	/	/	/	/	/	/	P
18	Transparent LED	/	/	/	/	N.D.	N.D.	P
19	Silver metal pin	/	/	/	/	---	---	P
20	Soldering tin	/	/	/	/	---	---	P
21	Copper metal wire core	/	/	/	/	---	---	P
22	Black plastic wire jacket	/	/	/	/	/	/	P
23	White glue plastic wire jacket	/	/	/	/	/	/	P

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Confirmation Test by Wet Chemistry

Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
24	Rose red plastic wire jacket	/	/	/	/	/	/	P
25	Grey plastic wire jacket	/	/	/	/	/	/	P
26	Silver metal wire core	/	/	/	/	---	---	P
27	Silver metal shell (switch)	/	/	/	Negative	---	---	P
28	Golden metal button (switch)	/	/	/	Negative	---	---	P
29	SMD audion	/	/	/	/	/	/	P
30	SMD capacitor	/	/	/	/	/	/	P
31	SMD IC	/	/	/	/	/	/	P
32	SMD resistor	/	/	/	/	/	/	P
33	SMD audion	/	/	/	/	/	/	P
34	Display	/	/	/	/	/	/	P
35	SMD IC	/	/	/	/	/	/	P
36	Silver metal interface	/	/	/	Negative	---	---	P
37	Inductor	/	/	/	/	---	---	P
38	White plastic terminal	/	/	/	/	/	/	P
39	Green PCB board	/	/	/	/	/	/	P
40	Soldering tin (PCB board)	/	/	/	/	---	---	P
41	Green PCB board	/	/	/	/	/	/	P
42	Black sponge glue	/	/	/	/	/	/	P
43	Silver metal screw	/	/	/	/	---	---	P
44	Soldering tin (PCB board)	/	/	/	/	---	---	P
45	Green PCB board	/	/	/	/	/	/	P
46	Soldering tin (PCB board)	/	/	/	/	---	---	P
47	Silver metal screw	/	/	/	/	---	---	P

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Confirmation Test by Wet Chemistry

Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
48	Golden metal button	/	/	/	Negative	---	---	P
49	Beige plastic shell	/	/	/	/	/	/	P
50	Silver metal screw	/	/	/	/	---	---	P
51	Semi-transparent rubber gasket	/	/	/	/	/	/	P
52	Black rubber tube	/	/	/	/	/	/	P
53	Silver metal screw	/	/	/	/	---	---	P
54	Black plastic	/	/	/	/	/	/	P
55	Golden metal threaded stud	/	/	/	/	---	---	P
56	Black rubber gasket	/	/	/	/	/	/	P
57	Black soft plastic button	/	/	/	/	/	/	P
58	Silver metal spring	/	/	/	/	---	---	P
59	Silver metal base material	551	/	/	/	---	---	P
60	Silver metal screw	/	/	/	/	---	---	P
61	Beige plastic shaft	/	/	/	/	/	/	P
62	Silver metal gear	/	/	/	/	---	---	P
63	Black metal button	/	/	/	Negative	---	---	P
64	Black plastic gasket	/	/	/	/	/	/	P
65	Silver metal	/	/	/	/	---	---	P
66	Beige plastic fans (motor)	/	/	/	/	/	/	P
67	Silver metal shell (motor)	/	/	/	/	---	---	P
68	Silver metal shell (motor)	/	/	/	/	---	---	P
69	Magnet (motor)	/	/	/	/	---	---	P
70	Silver metal wire (motor)	/	/	/	/	---	---	P
71	Silver metal gear (motor)	/	/	/	/	---	---	P

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Confirmation Test by Wet Chemistry								
Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
72	Golden metal pin (motor)	163	/	/	/	---	---	P
73	Silver metal cover (motor)	/	/	/	/	---	---	P
74	Soldering tin (motor)	/	/	/	/	---	---	P
75	Silver metal button (motor)	312	/	/	/	---	---	P
76	Beige plastic cover (motor)	/	/	/	/	/	/	P
77	Golden metal shaft (motor)	/	/	/	/	---	---	P
78	Copper metal contact (motor)	/	/	/	/	---	---	P
79	Carbon (motor)	/	/	/	/	/	/	P
80	Bearing (motor)	/	/	/	/	---	---	P
81	Copper winding (motor)	/	/	/	Negative	---	---	P
82	Silver silicon steel sheet (motor)	/	/	/	Negative	---	---	P
83	White plastic bobbin (motor)	/	/	/	/	/	/	P
84	Copper metal slice (motor)	/	/	/	/	---	---	P
85	White plastic gasket (motor)	/	/	/	/	/	/	P
86	Silver metal motor shaft	/	/	/	/	---	---	P
87	Blue plastic sleeve (battery)	/	/	/	/	/	/	P
88	Green paper	/	/	/	/	/	/	P
89	Black sponge glue	/	/	/	/	/	/	P
90	SMD audion	/	/	/	/	N.D.	N.D.	P
91	Green PCB board	/	/	/	/	N.D.	N.D.	P
92	Soldering tin (PCB board)	/	/	/	/	---	---	P
93	Black plastic wire jacket	/	/	/	/	/	/	P
94	Red plastic wire jacket	/	/	/	/	/	/	P
95	Golden metal head▲	22290	/	/	/	---	---	P

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Confirmation Test by Wet Chemistry								
Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
96	Silver metal button	/	/	/	Negative	---	---	P
97	Black rubber sleeve	/	/	/	/	/	/	P
98	Black heat shrink tubing	/	/	/	/	/	/	P
99	White rubber ring	/	/	/	/	/	/	P
100	Black plastic tube	/	/	/	/	/	/	P
101	Black plastic	/	/	/	/	/	/	P
102	Silver metal	/	/	/	/	---	---	P
103	Golden metal ▲	25329	/	/	/	---	---	P
104	Black rubber ring	/	/	/	/	/	/	P
105	Silver metal plug shell	/	/	/	/	---	---	P
106	Golden metal pin	/	/	/	/	---	---	P
107	White plastic plug core	/	/	/	/	/	/	P
108	Soldering tin	/	/	/	/	---	---	P
109	Black plastic plug shell	/	/	/	/	/	/	P
110	Silver metal plug shell	/	/	/	Negative	---	---	P
111	Black plastic plug core	/	/	/	/	/	/	P
112	Silver metal pin	/	/	/	Negative	---	---	P
113	Green PCB board	/	/	/	/	N.D.	N.D.	P
114	Soldering tin (PCB board)	/	/	/	/	---	---	P
115	Black plastic wire jacket	/	/	/	/	/	/	P
116	Red plastic wire jacket	/	/	/	/	/	/	P
117	Black plastic side wire jacket	/	/	/	/	/	/	P

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Confirmation Test by Wet Chemistry								
Part No.	Part Description	Result (mg/kg)						Conclusion
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
MDL		5	5	5	2^	5	5	
Limit requirements:								
		Pb	Cd	Hg	Cr(VI)	PBBs	PBDEs	
Maximum permissible Limit (mg/kg)		1000	100	1000	1000	1000	1000	
Remark:								
<ol style="list-style-type: none"> 1. N.D. = Not Detected, less than the value of Method Detection Limit. 2. mg/kg= milligram per kilogram. 3. MDL= Method Detection Limit in wet chemical test, --- = Not Regulated, / = Not Tested. 4. P =The result complies with the limit requirement, F =The result does not comply with the limit requirement. 5. “^”= MDL of Cr(VI) for non-metal sample is 2mg/kg, MDL of Cr(VI) for metal sample is 0.02mg/kg(Sample extraction solution). 6. Result on Cr(VI) for metal sample is shown as Positive/Negative. Positive = Presence of Cr(VI); Negative = Absence of Cr(VI). (Positive indicates the presence of Cr6+ on the tested areas, the result be regarded as conflict with RoHS requirement. Negative indicates the absence of Cr6+ on the tested areas, the result be regarded as no conflict with RoHS requirement.) 7. “▲”= Lead (Pb) in "No. 95, 103 is exempted from EU RoHS Directive 2011/65/EU. The corresponding exemption clause 6 (c): Lead content in copper alloy elements is less than 4%. 								

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DIBP, DBP, BBP, DEHP						
Test No.	Part No.	Result (mg/kg)				Conclusion
		DIBP	DBP	BBP	DEHP	
MDL		30	30	30	30	
T01	4+5+6	N.D.	N.D.	N.D.	N.D.	P
T02	51+52+56	N.D.	N.D.	N.D.	N.D.	P
T03	97+99	N.D.	N.D.	N.D.	N.D.	P
T04	100+104	N.D.	N.D.	N.D.	N.D.	P
T05	22	N.D.	N.D.	N.D.	N.D.	P
T06	23+24+25	N.D.	N.D.	N.D.	N.D.	P
T07	61+66+76	N.D.	N.D.	N.D.	N.D.	P
T08	83+85	N.D.	N.D.	N.D.	N.D.	P
T09	87+88	N.D.	N.D.	N.D.	N.D.	P
T10	89+91	N.D.	N.D.	N.D.	N.D.	P
T11	93+94	N.D.	N.D.	N.D.	N.D.	P
T12	57+98	N.D.	N.D.	N.D.	N.D.	P
T13	1+2+3	N.D.	N.D.	N.D.	N.D.	P
T14	7+49	N.D.	N.D.	N.D.	N.D.	P
T15	54+101	N.D.	N.D.	N.D.	N.D.	P
T16	8+10	N.D.	N.D.	N.D.	N.D.	P
T17	14+17	N.D.	N.D.	N.D.	N.D.	P
T18	38+39	N.D.	N.D.	N.D.	N.D.	P
T19	41+42+45	N.D.	N.D.	N.D.	N.D.	P
T20	107+109	N.D.	N.D.	N.D.	N.D.	P
T21	111+113	N.D.	N.D.	N.D.	N.D.	P
T22	115+116	N.D.	N.D.	N.D.	N.D.	P
T23	117	N.D.	N.D.	N.D.	N.D.	P

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DIBP, DBP, BBP, DEHP						
Test No.	Part No.	Result (mg/kg)				Conclusion
		DIBP	DBP	BBP	DEHP	
MDL		30	30	30	30	
Limit requirements:						
		DIBP	DBP	BBP	DEHP	
Maximum permissible Limit (mg/kg)		1000	1000	1000	1000	
Remark:						
1. DIBP= Diisobutyl phthalate, DBP= Dibutyl phthalate, BBP= Benzylbutyl phthalate, DEHP= Bis(2-ethylhexyl) phthalate						
2. N.D. = Not Detected, less than the value of Method Detection Limit.						
3. mg/kg= milligram per kilogram.						
4. MDL= Method Detection Limit in wet chemical test.						
5. P =The result complies with the limit requirement, F =The result does not comply with the limit requirement.						

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Sample Photo



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Test Part Photo



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TEST REPORT

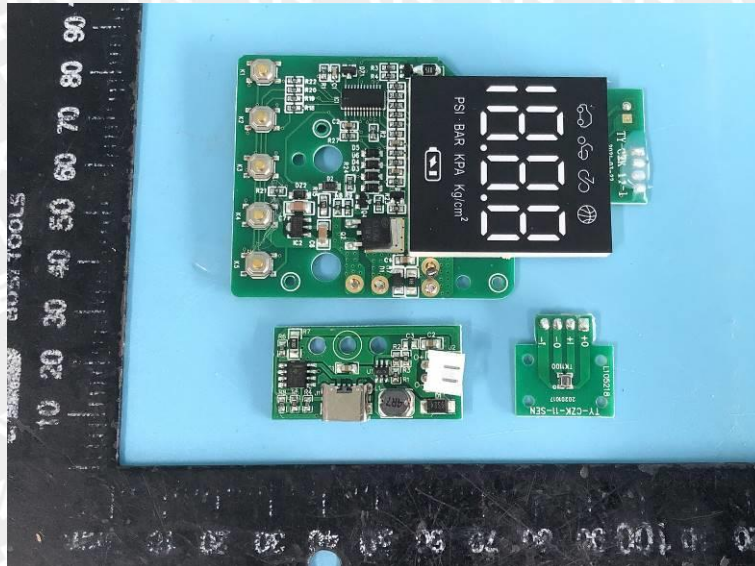
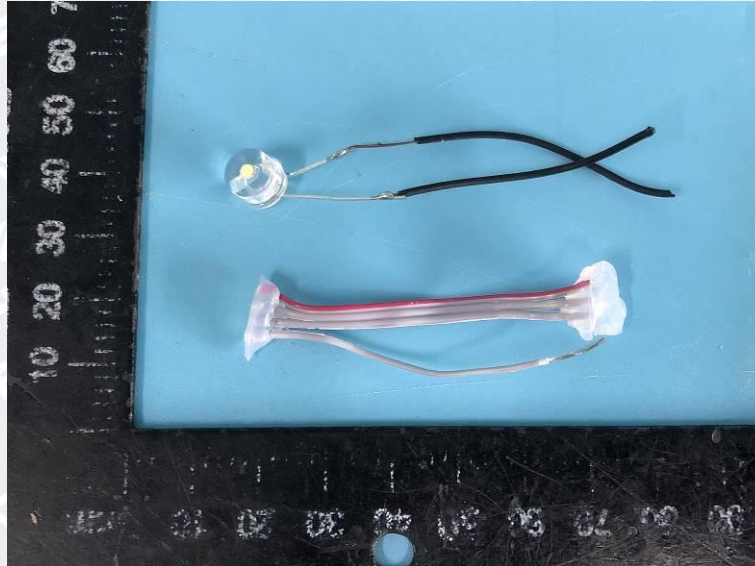
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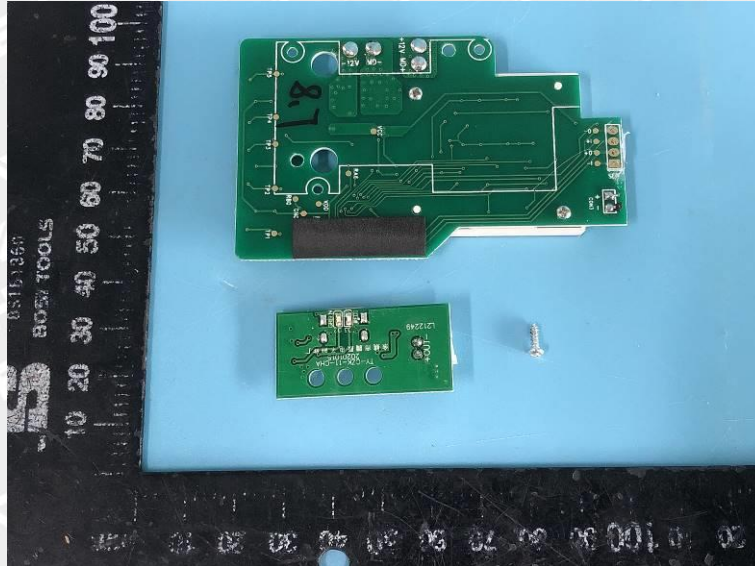
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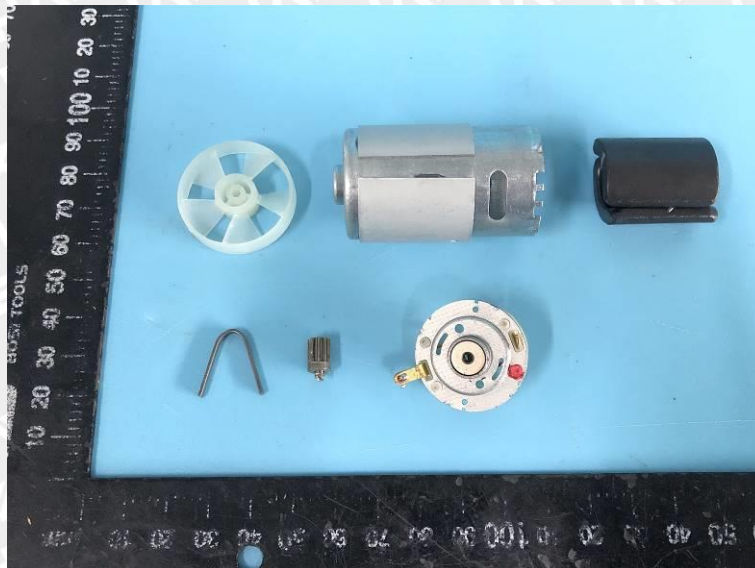
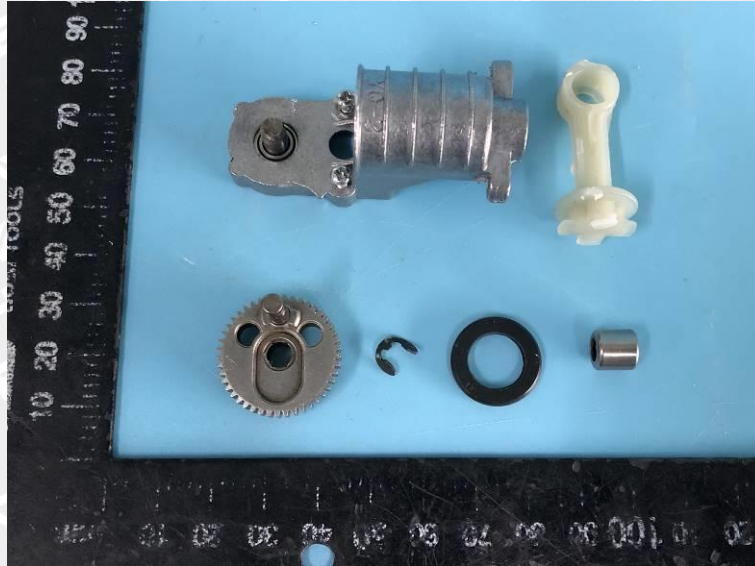
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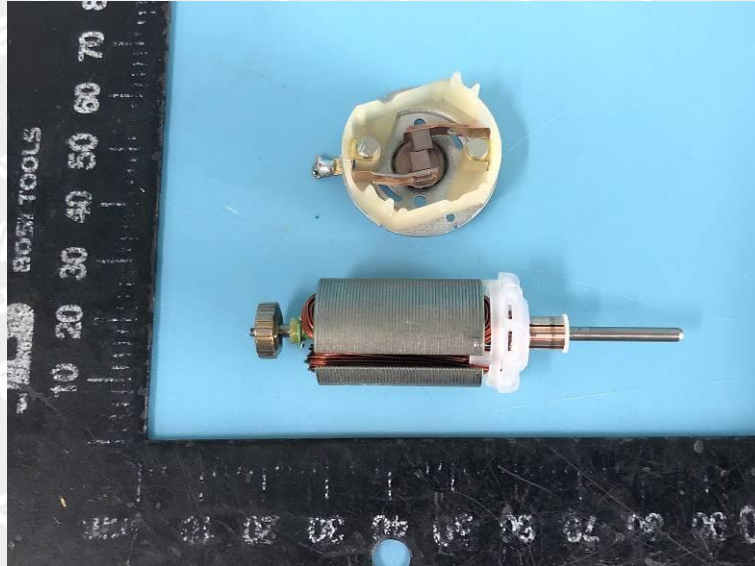
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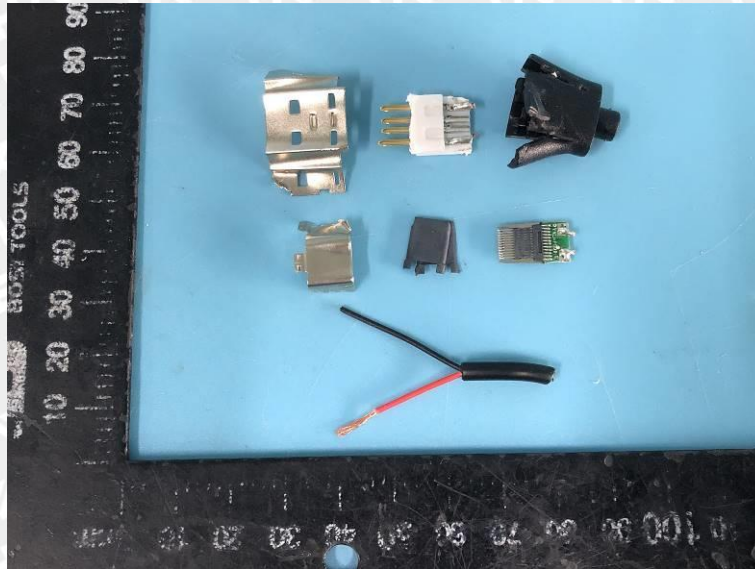
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Test Part Photo



==== End of Test Report ====

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