



TEST REPORT

Test Report # 17A-002853-6-E Date of Report Issue: September 13, 2017
Date of Sample Received: September 1, 2017 Pages: Page 1 of 11

CLIENT INFORMATION:

Company: XINDAO BV
Address: Verrijn Stuartlaan 1D 2288EK Rijswijk,
the Netherlands



SAMPLE INFORMATION:

Product Name: bottle with speaker
Model/style No.: -
Main Material: -
Buyer: -
Supplier: -
Country of Distribution: EU
Testing Period: 09/01/2017-09/08/2017,09/12/2017-09/13/2017

OVERALL RESULT:

PASS

Refer to page 2 for test result summary and appropriate notes.

HANGZHOU ASIAINSPECTION
TECHNOLOGY CO., LTD

Kevin Lee
Technical Manager



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TEST RESULTS SUMMARY:

At the request of the client, the following tests were conducted:

CONCLUSION	TEST(S) CONDUCTED
PASS	Directive 2011/65/EU and it's amend regulation 2015/863/EU, Restriction of the Use of Certain Hazardous Substances (RoHS)
PASS	2013/56/EU-Batteries and accumulators

Remark:

- 1) As per client's request, resubmit No.53 Cyan PCB board-PCB board soldering tin and No.57 Small cyan PCB board-PCB board soldering tin for RoHS (Pb, Cd, Hg, Cr6+) retest.
- 2) Test results are transferred from test report no. 17A-002853-1-E date: September 8, 2017

**DETAILED RESULTS:****Directive 2011/65/EU and it's amend regulation 2015/863/EU, Restriction of the Use of Certain Hazardous Substances (RoHS)**

Test method:

- (1) With reference to IEC 62321-3-1:2013,determination of Cadmium, Lead,Mercury, Chromium and Br by XRF;
- (2) With reference of IEC 62321-4:2013, IEC 62321-5:2013 to determine Cadmium, Lead and Mercury by ICP-OES;
- (3) With reference of IEC 62321:2008, IEC62321-7-1:2015 to determine Hexavalent Chromium by UV- vis
- (4) With reference of IEC 62321-6:2015 to determine PBBs and PBDEs by GC-MS.

No.	Parts Name	Test Item						Conclusion
		Pb	Cd	Hg	CrVI	PBBs	PBDEs	
1	Main body-ferrous metal mesh	ND	ND	ND	Ne	-	-	PASS
2	Main body-grey plastic ring	BL	BL	BL	BL	BL	BL	PASS
3	Main body-transparent plastic support	BL	BL	BL	BL	BL	BL	PASS
4	Metal screw	ND	ND	ND	Ne	-	-	PASS
5	Main body-grey plastic cover	BL	BL	BL	BL	BL	BL	PASS
6	Main body-black plastic support	BL	BL	BL	BL	BL	BL	PASS
7	Main body-bright silver plastic fastener	BL	BL	BL	BL	BL	BL	PASS
8	Main body-grey rubber gasket	BL	BL	BL	BL	BL	BL	PASS
9	Main body-grey rubber button	BL	BL	BL	BL	BL	BL	PASS
10	Main body-grey seal	BL	BL	BL	BL	BL	BL	PASS
11	Loudspeaker-black paper gaskets	BL	BL	BL	BL	BL	BL	PASS
12	Loudspeaker-black tympanic membrane	BL	BL	BL	BL	BL	BL	PASS
13	Loudspeaker-black cotton net	BL	BL	BL	BL	BL	BL	PASS
14	Loudspeaker-beige paper ring	BL	BL	BL	BL	BL	BL	PASS
15	Loudspeaker-enameled wire	ND	ND	ND	Ne	-	-	PASS
16	Loudspeaker-black leather	BL	BL	BL	BL	BL	BL	PASS
17	Red wire jacket	BL	BL	BL	BL	BL	BL	PASS
18	Black wire jacket	BL	BL	BL	BL	BL	BL	PASS
19	Copper wire	ND	ND	ND	Ne	-	-	PASS
20	Loudspeaker-silver metal	ND	ND	ND	Ne	-	-	PASS
21	Loudspeaker-magnet	ND	ND	ND	Ne	-	-	PASS
22	Loudspeaker-soldering tin	498	ND	ND	Ne	-	-	PASS
23	Loudspeaker-insulation sheet	BL	BL	BL	BL	BL	BL	PASS
24	Loudspeaker-metal ring	ND	ND	ND	Ne	-	-	PASS
25	Green PCB board	BL	BL	BL	BL	BL	BL	PASS
26	Green PCB board-yellow LED light	BL	BL	BL	BL	BL	BL	PASS

**DETAILED RESULTS:**

No.	Parts Name	Test Item						Conclusion
		Pb	Cd	Hg	CrVI	PBBs	PBDEs	
27	Green PCB board-yellow LED light-pin	ND	ND	ND	Ne	-	-	PASS
28	Green PCB board-white LED light	BL	BL	BL	BL	BL	BL	PASS
29	Green PCB board- white LED light-pin	ND	ND	ND	Ne	-	-	PASS
30	Green PCB board-SMD capacitance	BL	BL	BL	BL	BL	BL	PASS
31	Green PCB board- SMD capacitance - pin	ND	ND	ND	Ne	-	-	PASS
32	Green PCB board-small IC module	BL	BL	BL	BL	BL	BL	PASS
33	Green PCB board- small IC module -pin	ND	ND	ND	Ne	-	-	PASS
34	Green PCB board-big IC module	BL	BL	BL	BL	BL	BL	PASS
35	Green PCB board- big IC module -pin	ND	ND	ND	Ne	-	-	PASS
36	Green PCB board-triode	BL	BL	BL	BL	BL	BL	PASS
37	Green PCB board-triode-pin	ND	ND	ND	Ne	-	-	PASS
38	Green PCB board-diode	BL	BL	BL	BL	BL	BL	PASS
39	Green PCB board-diode-pin	ND	ND	ND	Ne	-	-	PASS
40	Green PCB board-crystal oscillator-silver metal shell	ND	ND	ND	Ne	-	-	PASS
41	Green PCB board-crystal oscillator-inner core	BL	BL	BL	BL	BL	BL	PASS
42	Green PCB board-crystal oscillator-black plastic base	BL	BL	BL	BL	BL	BL	PASS
43	Green PCB board-reverse side-black rubber	BL	BL	BL	BL	BL	BL	PASS
44	Green PCB board-yellow hot melt adhesive	BL	BL	BL	BL	BL	BL	PASS
45	Green PCB board-switch-black plastic button	BL	BL	BL	BL	ND	ND	PASS
46	Green PCB board-silver metal sheet	ND	ND	ND	Ne	-	-	PASS
47	Green PCB board-bimetallic strip	ND	ND	ND	Ne	-	-	PASS
48	Green PCB board-black plastic base	BL	BL	BL	BL	BL	BL	PASS
49	Green PCB board-switch-pin	ND	ND	ND	Ne	-	-	PASS
50	Green PCB board-USB socket-silver grey metal shell	218	ND	ND	Ne	-	-	PASS
51	Green PCB board-USB socket-grey plastic	BL	BL	BL	BL	BL	BL	PASS
52	Green PCB board-USB socket-pin	ND	ND	ND	Ne	-	-	PASS
53	Cyan PCB board-PCB board soldering tin	54	ND	ND	ND	-	-	PASS
54	Small green PCB board	BL	BL	BL	BL	BL	BL	PASS
55	Small green PCB board-white LED light	BL	BL	BL	BL	BL	BL	PASS

**DETAILED RESULTS:**

No.	Parts Name	Test Item						Conclusion
		Pb	Cd	Hg	CrVI	PBBs	PBDEs	
56	Small green PCB board-white LED light-pin	ND	ND	ND	Ne	-	-	PASS
57	Small cyan PCB board-PCB board soldering tin	284	ND	ND	ND	-	-	PASS
58	Buzzer-silver metal shell	ND	ND	ND	Ne	-	-	PASS
59	Buzzer-black rubber	BL	BL	BL	BL	BL	BL	PASS
60	Buzzer-Green PCB board	BL	BL	BL	BL	BL	BL	PASS
61	Buzzer-Green PCB board-PCB board soldering tin	56	ND	ND	ND	-	-	PASS
62	Buzzer-internal white plastic	BL	BL	BL	BL	BL	BL	PASS
63	Buzzer-silver metal sleeve	ND	ND	ND	Ne	-	-	PASS
64	Buzzer-silver metal sheet	ND	ND	ND	Ne	-	-	PASS
65	Buzzer-pink washer	BL	BL	BL	BL	BL	BL	PASS
66	Battery-yellow tape	BL	BL	BL	BL	BL	BL	PASS
67	Red wire jacket	BL	BL	BL	BL	BL	BL	PASS
68	Black wire jacket	BL	BL	BL	BL	BL	BL	PASS
69	Copper wire	ND	ND	ND	Ne	-	-	PASS
70	Battery-conducting strip	ND	ND	ND	Ne	-	-	PASS
71	Battery-conducting stripsoldering tin	275	ND	ND	Ne	-	-	PASS
73	Silver metal shell	ND	ND	ND	Ne	-	-	PASS

2013/56/EU-Batteries and accumulators

Components and Parts Name	Item	MDL	Result	Limit
72: Battery	Cadmium(Cd)	2	ND	20
	Lead(Pb)	2	ND	40
	Mercury(Hg)	2	ND	5
Conclusion	-	-	PASS	-

Parameter:	Unit	Requirement	Method Detection Limit (MDL)
Lead (Pb)	mg/kg	1000	15
Cadmium (Cd)	mg/kg	100	15
Mercury (Hg)	mg/kg	1000	15
Chromium VI (Cr VI)	mg/kg	1000	15
Group PBBs	mg/kg	1000	20
Group PBDEs	mg/kg	1000	20



As specified by client, with XRF analysis toxic harmful substance content, All kinds of matrix screening of the element is limited see chart (Unit: mg/kg)

Elements	Polymer material	Metal material/ Inorganic nonmetallic material	Electronic component
Lead (Pb)	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cadmium (Cd)	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Mercury (Hg)	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Chromium (Cr)	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Bromine (Br)	$BL \leq (300-3\sigma) < X$	/	$BL \leq (250-3\sigma) < X$

Note:

1. Unit: mg/kg, 1mg/kg=1ppm=0.0001%
2. MDL=Method Detection Limit
3. ND=Not Detected(< MDL)
4. “-”= Not Regulated or Not Applicable
5. 3σ = Analysis shows that the instrument reproducibility
6. BL=Below Limit; OL=Over Limit
7. Ne=Negative, Absence of Cr(VI), the concentration of Cr (VI) in sample solution is less than $0.10\mu\text{g}/\text{cm}^2$.
Po = Positive, Presence of Cr(VI), the concentration of Cr (VI) in sample solution is more than $0.13\mu\text{g}/\text{cm}^2$.
8. “Results of XRF” is the result on total Br and total Cr while restricted substances are PBBs/PBDEs and Cr(VI).
9. *= Exemption item
6(c) Copper alloy containing up to 4% lead by weight



SAMPLE PHOTO:



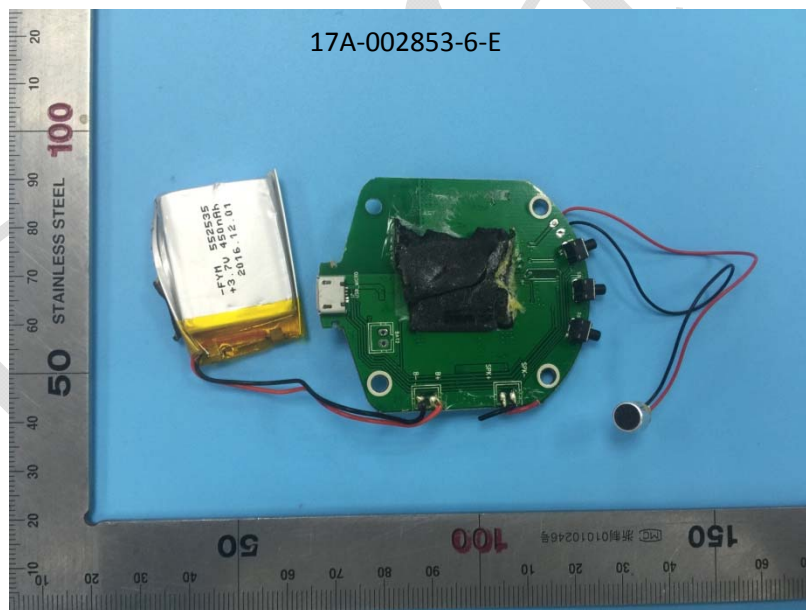
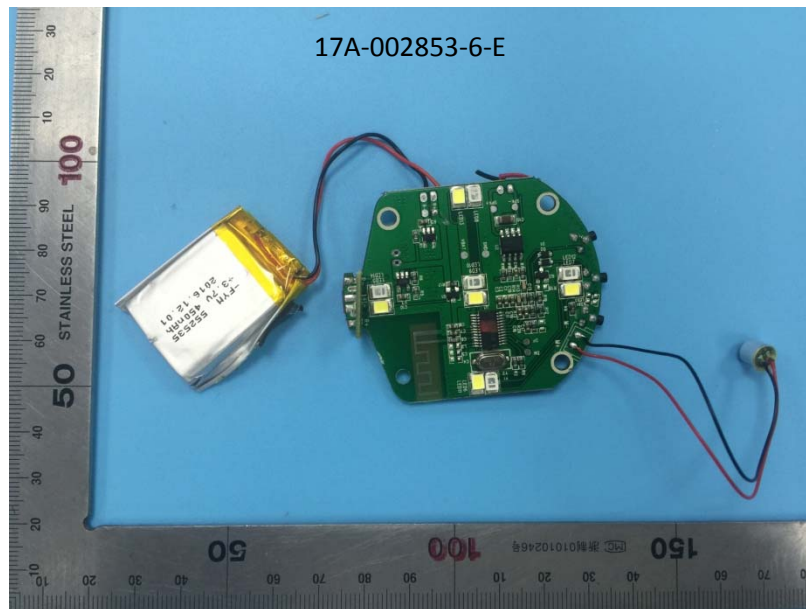


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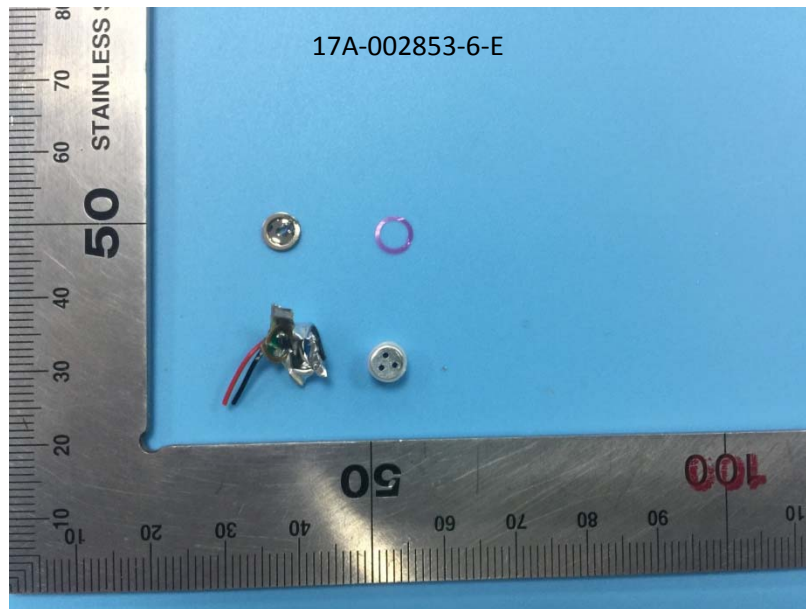


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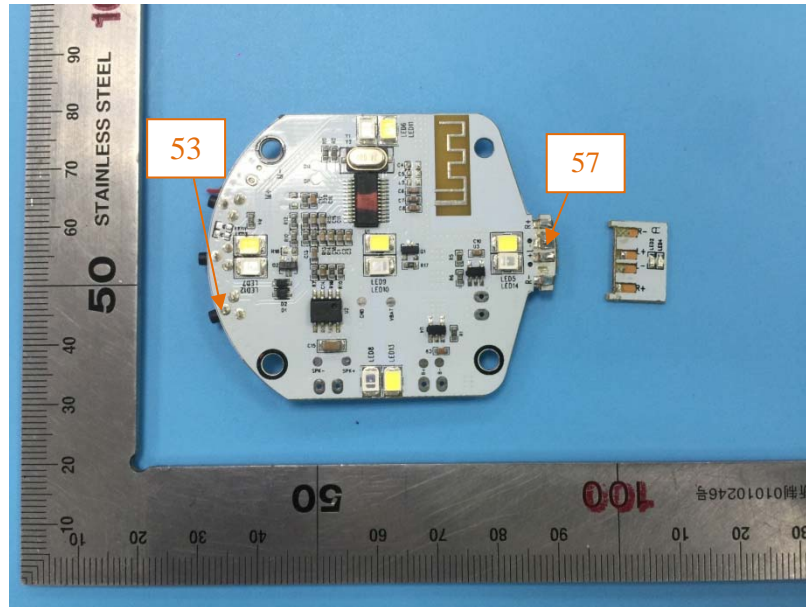


SAMPLE PHOTO:





SAMPLE PHOTO:



-End Report-