

Applicant name:	SHENZHEN COMISO DIGITAL TECHNOLOGY LIMITED
Applicant address:	12/F,XinLong Technology Park,SongGang Town,BaoAn District, ShenZhen City,China

Sample information:

Sample Name:	Bluetooth wireless speaker
Sample Model:	X26L, Signature Speaker
Trade mark :	COMISO
Manufacturer:	SHENZHEN COMISO DIGITAL TECHNOLOGY LIMITED
	12/F,XinLong Technology Park,SongGang Town,BaoAn District,
	ShenZhen City,China
Sample Received Date:	Feb.20,2023
Testing Period:	Feb.20,2023~Feb.24,2023

Test Requested As specified by client, to determine the Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, DEHP, BBP, DBP & DIBP content in the submitted sample compliance with RoHS directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102.

Test Method:

Tested Item(s)	Test Method	Measured Equipment(s)	MDL
Lead(Pb)	IEC 62321-5:2013	ICP-OES	2mg/kg
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES	2mg/kg
Mercury(Hg)	IEC 62321-4:2013+A1:2017	ICP-OES	2mg/kg
Hexavalent Chromium(Cr(VI))	IEC 62321-7-1:2015 IEC 62321-7-2:2017	UV-VIS	2mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	5mg/kg
Polybrominated Dipheny1 Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	5mg/kg
Di-(2-ethylhexyl) phthalate(DEHP)	IEC 62321-8:2017	GC-MS	50mg/kg
Benzylbutyl phthalate(BBP)	IEC 62321-8:2017	GC-MS	50mg/kg
Dibutyl phthalate (DBP)	IEC 62321-8:2017	GC-MS	50mg/kg
Diisobutyl phthalate(DIBP)	IEC 62321-8:2017	GC-MS	50mg/kg

Test Result(s) Please refer to the following page(s).

Test by:	Inspected by:
Approved by:	Date : Feb.24,2023
Technical Manager	



Test Result:

No.	Part Name	Restricted	Limit (mg/kg)	Test Results
		Substances		
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
01	Rubber foot	PBBs	1000	N.D.
	Rubbel loot	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
02	Screw	PBBs	1000	-
	Screw	PBDEs	1000	-
		DEHP	1000	-
		BBP	1000	
		DBP	1000	-
		DIBP	1000	-
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
	\cap	Cr ⁶⁺	1000	N.D.
03	W/L:4	PBBs	1000	N.D.
03	White metal frame	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
04	W/h:to :-1t:-	PBBs	1000	N.D.
04	White plastic	PBDEs	1000	N.D.
	cover	DEHP	1000	N.D.
		BBP DBP DIBP	1000 1000 1000	N.D. N.D. N.D.

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No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
05	Black plastic	PBBs	1000	N.D.
03		PBDEs	1000	N.D.
	housing	DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
06	Switch buttons	PBBs	1000	N.D.
00	Switch buttons	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
07	Rubber belt	PBBs	1000	N.D.
	Rubbel ben	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
08	Connector rubber	PBBs	1000	N.D.
		PBDEs	1000	N.D.
	cover	DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.

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No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
00	D1 4 4 1 1	PBBs	1000	N.D.
09	Bluetooth module	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
10	M-4-1	PBBs	1000	-
10	Metal ring	PBDEs	1000	-
		DEHP	1000	-
		BBP	1000	-
		DBP	1000	-
		DIBP	1000	-
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
11	Speaker	PBBs	1000	N.D.
11	Speaker	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
12	Foam	PBBs	1000	N.D.
12	1 Julii	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.

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No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
13	Battery	PBBs	1000	N.D.
13	Battery	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
14	Interior line	PBBs	1000	N.D.
17	interior fine	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
15	Chip switch	PBBs	1000	N.D.
13	Chip switch	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
16	Bass bounce	PBBs	1000	N.D.
10	Dass counter	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.

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No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
17	Earphone socket	PBBs	1000	N.D.
	Earphone socket	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
18	USB connector	PBBs	1000	N.D.
10	OSB connector	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
19	Battery connector	PBBs	1000	N.D.
	Buttery connector	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
20	Switch	PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.

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No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
21	Electrolytic	PBBs	1000	N.D.
		PBDEs	1000	N.D.
	capacitor	DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
22	IC	PBBs	1000	N.D.
	IC IC	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
23	Chip inductor	PBBs	1000	N.D.
23	Chip inductor	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
24	SMD crystal	PBBs	1000	N.D.
	Sivid Ciystai	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.

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No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
25	FPC	PBBs	1000	N.D.
23	FFC	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
26	SMT triode	PBBs	1000	N.D.
20	Sivii triode	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
27	Chip resistor	PBBs	1000	N.D.
27	Chip resistor	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
28	Chip capacitor	PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.

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No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
29	SMD LED	PBBs	1000	N.D.
	SIVID ELD	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
30	PCB board	PBBs	1000	N.D.
	10200000	PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
		Pb	1000	N.D.
		Cd	100	N.D.
	<u> </u>	Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
31	Soldering	PBBs	1000	-
51		PBDEs	1000	-
		DEHP	1000	-
		BBP	1000	-
		DBP	1000	-
		DIBP	1000	-
		Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
32	Glue	PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.

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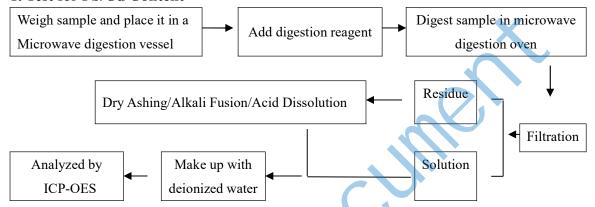


Note:

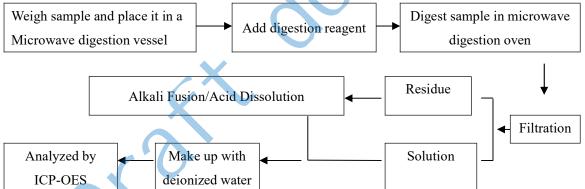
N.D. =Not Detected(<MDL)
mg/kg = ppm =parts per million
"- "=Not specified</pre>

Test process

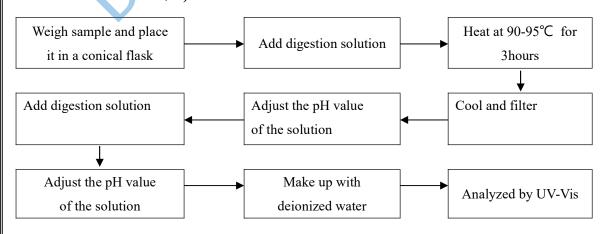
1. Test for Pb/Cd Content



2. Test for Hg Content



3. Test for Chromium (VI) Content



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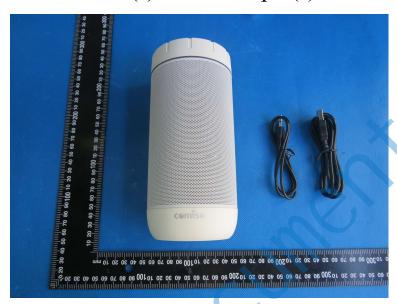
Test Report 4. Test for PBBs/PBDEs Content Weigh sample and Extracted with Concentrate the extract Place it in a thimble Organic solvent Analyzed by GC-MS Make up with Transfer the extract into a Volumetric flask Organic solvent 5. Phthalates Content Weigh sample and Extracted with Concentrate the extract Place it in a thimble Organic solvent Analyzed by GC-MS Make up with Transfer the extract into a Organic solvent Volumetric flask

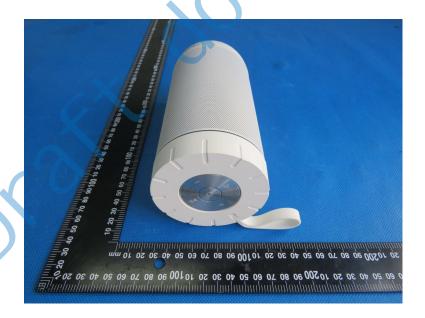
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Photo(s) of the sample(s)

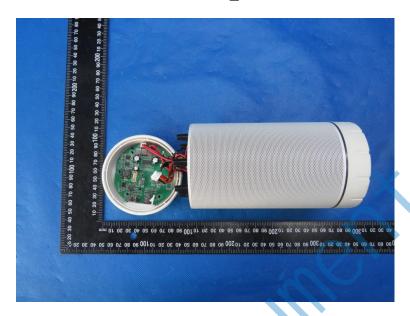




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*** End of report ***

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