

TEST REPORT

Report No.: **SZ1221219-62441E**

Date: January 13, 2023

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Shenzhen Huafurui Technology Co., Ltd

Unit 1401 & 1402, 14/F, Jinqi Zhigu Mansion (No.4 Building of Chongwen Garden), Crossing of the Liuxian Street and Tangling Road, Taoyuan Street, Nanshan District, Shenzhen, P.R. China

Report on the submitted samples said to be:

Sample Description: Tablet
Style/Item No.: TAB 20
Country of Origin: China
Brand: CUBOT
Sample Receiving Date: December 20,2022
Testing Period: December 20,2022 - December 28,2022
Result: **Please refer to next page(s).**

Signed for and on behalf of

BACL

Queenie Lee

Checked by: _____
Queenie Lee

Len Xie

Approved by: _____
Len Xie



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Summary of Test Result:

TEST REQUEST

CONCLUSION

A RoHS Directive 2011/65/EU and amendment directives (EU) 2015/863 on Lead,Cadmium, Mercury, Hexavalent Chromium, PBBs & PBDEs, Phthalates(DBP, BBP,DEHP, DIBP) content

A.1 XRF screening test

Pass

A.2 Wet Chemical Testing

A.2.1 PBBs & PBDEs content

Pass

A.3 Phthalates(DBP, BBP, DEHP, DIBP)content

Pass

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A RoHS Directive 2011/65/EU and amendment directives (EU) 2015/863 on Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs & PBDEs, Phthalates (DBP, BBP, DEHP, DIBP) content

A.1 XRF screening test

Test method: IEC 62321-3-1:2013

Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(1)	Silvery metal (pin, adapter)	BL	BL	BL	BL	---
(2)	Black printed white plastic (cover, adapter)	BL	BL	BL	BL	BL
(3)	White glue (PCB, adapter)	BL	BL	BL	BL	BL
(4)	White printed brown plastic (sleeve, capacitor"C1", PCB, adapter)	BL	BL	BL	BL	BL
(5)	Silvery body (capacitor"C1", PCB, adapter)	BL	BL	BL	BL	BL
(6)	White printed green plastic (sleeve, capacitor"C7", PCB, adapter)	BL	BL	BL	BL	BL
(7)	Silvery body (capacitor"C7", PCB, adapter)	BL	BL	BL	BL	BL
(8)	White printed black plastic (sleeve, capacitor"C4", PCB, adapter)	BL	BL	BL	BL	BL
(9)	Silvery body (capacitor"C4", PCB, adapter)	BL	BL	BL	BL	BL
(10)	Red plated silvery body (capacitor"C8", PCB, adapter)	BL	BL	BL	BL	BL
(11)	Blue body (capacitor"C1", PCB, adapter)	BL	BL	BL	BL	BL
(12)	Black soft plastic (sleeve, resistor, PCB, adapter)	BL	BL	BL	BL	BL
(13)	Black body (resistor, PCB, adapter)	BL	BL	BL	BL	BL
(14)	Silvery metal (pin, resistor, PCB, adapter)	BL	BL	BL	BL	---
(15)	Black plastic (insulating strip, PCB, adapter)	BL	BL	BL	BL	BL
(16)	Silvery metal (cover, USB connector, PCB, adapter)	BL	BL	BL	BL	---
(17)	Silvery metal (pin, USB connector, PCB, adapter)	BL	BL	BL	BL	---
(18)	White plastic (insert core, USB connector, PCB, adapter)	BL	BL	BL	BL	BL
(19)	Multi-color printed green body (inductor"L1", PCB, adapter)	BL	BL	BL	BL	BL
(20)	Silvery metal (pin, inductor"L1", PCB, adapter)	BL	BL	BL	BL	---
(21)	Black printed yellow plastic with adhesive (tape, transformer, PCB, adapter)	BL	BL	BL	BL	BL
(22)	Black plastic (frame, transformer, PCB, adapter)	BL	BL	BL	BL	BL
(23)	Black magnet (frame, transformer, PCB, adapter)	BL	BL	BL	BL	BL
(24)	Coppery metal (thick coil, transformer, PCB, adapter)	BL	BL	BL	BL	---
(25)	Coppery metal (thin coil, transformer, PCB, adapter)	BL	BL	BL	BL	---
(26)	Yellow soft plastic (wire jacket, transformer, PCB, adapter)	BL	BL	BL	BL	BL
(27)	Transparent soft plastic (wire jacket, transformer, PCB, adapter)	BL	BL	BL	BL	BL

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(28)	Silvery metal (pin, transformer, PCB, adapter)	BL	BL	BL	BL	---
(29)	Black body (IC, PCB, adapter)	BL	BL	BL	BL	BL
(30)	Black body (bridge rectifier, PCB, adapter)	BL	BL	BL	BL	BL
(31)	Black body (SMD diode, PCB, adapter)	BL	BL	BL	BL	BL
(32)	Brown body (SMD capacitor, PCB, adapter)	BL	BL	BL	BL	BL
(33)	Black/white body (SMD resistor, PCB, adapter)	BL	BL	BL	BL	BL
(34)*	White printed green coated brown plastic with coppery metal (PCB, adapter)	BL	BL	BL	BL	X
(35)	Silvery solder (PCB, adapter)	BL	BL	BL	BL	---
(36)	White PVC (cover, USB plug, USB cable)	BL	BL	BL	BL	BL
(37)	White PVC (cover, Type-C plug, USB cable)	BL	BL	BL	BL	BL
(38)	White PVC (main wire jacket, plug, USB cable)	BL	BL	BL	BL	BL
(39)	Silvery metal (cover, USB plug, USB cable)	BL	BL	BL	BL	---
(40)	White plastic (insert core, USB plug, USB cable)	BL	BL	BL	BL	BL
(41)	Silvery metal (cover, Type-C plug, USB cable)	BL	BL	BL	BL	---
(42)	White plastic (insert core, Type-C plug, USB cable)	BL	BL	BL	BL	BL
(43)	Silvery metal (pin, USB plug, USB cable)	BL	BL	BL	BL	---
(44)	Silvery metal (pin, Type-C plug, USB cable)	BL	BL	BL	BL	---
(45)	Transparent plastic (inner cover, USB cable)	BL	BL	BL	BL	BL
(46)	Brown body (SMD capacitor, PCB, USB cable)	BL	BL	BL	BL	BL
(47)	Black/white body (SMD resistor, PCB, USB cable)	BL	BL	BL	BL	BL
(48)*	White printed dark blue coated brown plastic with coppery metal (PCB, USB cable)	BL	BL	BL	BL	X
(49)	Silvery solder (PCB, USB cable)	BL	BL	BL	BL	---
(50)	Red soft plastic (wire jacket, USB cable)	BL	BL	BL	BL	BL
(51)	Black soft plastic (wire jacket, USB cable)	BL	BL	BL	BL	BL
(52)	White soft plastic (wire jacket, USB cable)	BL	BL	BL	BL	BL
(53)	Green soft plastic (wire jacket, USB cable)	BL	BL	BL	BL	BL
(54)	Coppery metal (wire, USB cable)	BL	BL	BL	BL	---
(55)	Grey plastic (cover, tablet)	BL	BL	BL	BL	BL
(56)	Grey plated silvery metal (cover, tablet)	BL	BL	BL	BL	---
(57)	Black printed transparent plastic (lens, tablet)	BL	BL	BL	BL	BL

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(58)*	White printed black plastic with adhesive (FPC, tablet)	BL	BL	BL	BL	X
(59)	Black fabric with adhesive (pad, tablet)	BL	BL	BL	BL	BL
(60)	Black plastic (frame, tablet)	BL	BL	BL	BL	BL
(61)	Beige fabric with adhesive (pad, tablet)	BL	BL	BL	BL	BL
(62)	Black plastic (cover, speaker, tablet)	BL	BL	BL	BL	BL
(63)	Silvery metal (cover, speaker, tablet)	BL	BL	BL	BL	---
(64)	Coppery metal (coil, speaker, tablet)	BL	BL	BL	BL	---
(65)	Silvery plastic (film, speaker, tablet)	BL	BL	BL	BL	BL
(66)	Silvery magnet (speaker, tablet)	BL	BL	BL	BL	BL
(67)	Red soft plastic (wire jacket, speaker, tablet)	BL	BL	BL	BL	BL
(68)	Black soft plastic (wire jacket, speaker, tablet)	BL	BL	BL	BL	BL
(69)	Silvery metal (wire, speaker, tablet)	BL	BL	BL	BL	---
(70)	Silvery metal (contact plate, wire, speaker, tablet)	BL	BL	BL	BL	---
(71)	White plastic (plug, speaker, tablet)	BL	BL	BL	BL	BL
(72)	Black soft plastic (cover, motor, tablet)	BL	BL	BL	BL	BL
(73)	Silvery body (motor, tablet)	BL	BL	BL	BL	BL
(74)	Blue soft plastic (wire jacket, motor, tablet)	BL	BL	BL	BL	BL
(75)	Red soft plastic (wire jacket, motor, tablet)	BL	BL	BL	BL	BL
(76)	Silvery metal (wire, motor, tablet)	BL	BL	BL	BL	---
(77)	Black soft plastic (cover, microphone, tablet)	BL	BL	BL	BL	BL
(78)	Black soft plastic with adhesive (cover, microphone, tablet)	BL	BL	BL	BL	BL
(79)	Golden body (microphone, tablet)	BL	BL	BL	BL	BL
(80)	Silvery metal (cover, camera, tablet)	BL	BL	BL	BL	---
(81)	Black body (camera, tablet)	BL	BL	BL	BL	BL
(82)*	White printed brown plastic with coppery metal (FPC, camera, tablet)	BL	BL	BL	BL	X
(83)	Silvery metal (base, FPC, camera, tablet)	BL	BL	BL	BL	---
(84)	Silvery metal (cover, card slot, tablet)	BL	BL	BL	BL	---
(85)	Grey plastic (frame, card slot, tablet)	BL	BL	BL	BL	BL
(86)	Silvery metal (pin, card slot, tablet)	BL	BL	BL	BL	---
(87)	Silvery/coppery metal (contact plate, small PCB, tablet)	BL	BL	BL	BL	---
(88)*	White printed green coated brown plastic with coppery metal (small PCB, tablet)	BL	BL	BL	BL	X

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(89)	Silvery solder (small PCB, tablet)	BL	BL	BL	BL	---
(90)	Black plastic with adhesive (pad, main PCB, tablet)	BL	BL	BL	BL	BL
(91)	Silvery metal (shield cover, main PCB, tablet)	BL	BL	BL	BL	---
(92)	Silvery part (USB connector, main PCB, tablet)	BL	BL	BL	BL	BL
(93)	Black/white part (FPC connector, main PCB, tablet)	BL	BL	BL	BL	BL
(94)	Black body (big IC, main PCB, tablet)	BL	BL	BL	BL	BL
(95)	Black body (middle IC, main PCB, tablet)	BL	BL	BL	BL	BL
(96)	Black body (small IC, main PCB, tablet)	BL	BL	BL	BL	BL
(97)	White printed dark blue coated brown plastic with coppery metal (main PCB, tablet)	BL	BL	BL	BL	BL
(98)	Silvery solder (main PCB, tablet)	BL	BL	BL	BL	---
(99)	Black printed silvery metal (cover, screen, tablet)	BL	BL	BL	BL	---
(100)	Black printed transparent glass (screen, tablet)	BL	BL	BL	BL	BL

Note:

--- = Not Applicable.

* = Screening by XRF and detected by chemical method. The test result of chemical method please refer to next pages.

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Remark:

i Result were obtained by XRF for primary screening, and further chemical testing by ICP (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) are recommended to be performed, if the concentration exceeds the below warning value according to IEC62321-3-1:2013.

Element	Unit	Polymers	Metal	Composite Material
Cd	mg/kg	BL≤70-3σ<X <130+3σ≤OL	BL≤70-3σ<X <130+3σ≤OL	BL≤50-3σ<X <150+3σ≤OL
Pb	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Hg	mg/kg	BL≤700-3σ<X <1300+3σ≤OL	BL≤700-3σ<X <1300+3σ≤OL	BL≤500-3σ<X <1500+3σ≤OL
Cr	mg/kg	BL≤700-3σ<X	BL≤700-3σ<X	BL≤500-3σ<X
Br	mg/kg	BL≤300-3σ<X	--	BL≤250-3σ<X

Note:

BL = Below Limit

OL = Over Limit

IN / X = Inconclusive (questionable, need further chemical analysis)

ii The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

iii The maximum permissible limit is quoted from the RoHS directive 2011/65/EU:

RoHS Restricted Substances	Maximum Concentration Value (mg/kg) (by weight in homogenous materials)
Cadmium (Cd)	100
Lead (Pb)	1000
Mercury (Hg)	1000
Hexavalent Chromium (Cr(VI))	1000
Polybrominated biphenyls (PBBs)	1000
Polybrominated diphenylethers (PBDEs)	1000

Disclaimers:

This XRF Screening report is for reference purposes only. The applicant shall make its/his/her own judgment as to whether the information provided in this XRF screening report is sufficient for its/his/her purposes.

The result shown in this XRF screening report will differ based on various factors, including but not limited to, the sample size, thickness, area, surface flatness, equipment parameters and matrix effect (e.g. plastic, rubber, metal, glass, ceramic etc.). Further wet chemical pre-treatment with relevant chemical equipment analysis are required to obtain quantitative data.

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A.2 Wet Chemical Testing

A.2.1 PBBs & PBDEs content

Test method: IEC 62321-6:2015

Item	Unit	MDL	Result					Limit
			(34)	(48)	(58)	(82)	(88)	
Monobromobiphenyl (MonoBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Dibromobiphenyl(DiBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tribromobiphenyl(TriBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tetrabromobiphenyl(TetraBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Pentabromobiphenyl(PentaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Hexabromobiphenyl(HexaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Heptabromobiphenyl (HeptaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Octabromobiphenyl(OctaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Nonabromobiphenyl(NonaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Decabromobiphenyl(DecaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Monobromodiphenyl ether (MonoBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Dibromodiphenyl ether (DiBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tribromodiphenyl ether (TriBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tetrabromodiphenyl ether (TetraBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Pentabromodiphenyl ether (PentaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Hexabromodiphenyl ether (HexaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Heptabromodiphenyl ether (HeptaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Octabromodiphenyl ether (OctaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Nonabromodiphenyl ether (NonaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-
Decabromodiphenyl ether (DecaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	-

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Item	Unit	MDL	Result					Limit
			(34)	(48)	(58)	(82)	(88)	
sum of MonoBDE,DiBDE,TriBDE,TetraBDE,PentaBDE,HexaBDE,HeptaBDE,OctaBDE,NonaBDE,DecaBDE	mg/kg	-	/	/	/	/	/	1000
sum of MonoBB,DiBB,TriBB,TetraBB,PentaBB,HexaBB,HeptaBB,OctaBB,NonaBB,DecaBB	mg/kg	-	/	/	/	/	/	1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

A.3 Phthalates(DBP, BBP, DEHP, DIBP)content

Test method: IEC 62321-8:2017

Item	Unit	MDL	Result						Limit
			(2)+(60)	(3)	(4)+(5)+(6)	(7)+(8)+(9)	(10)+(11)+(12)	(13)+(15)+(18)	
Dibutyl Phthalate(DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Result						Limit
			(19)+(21)+(22)	(26)+(27)+(29)	(30)+(31)	(34)+(88)+(97)	(36)+(37)+(38)	(40)+(42)+(45)	
Dibutyl Phthalate(DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Result						Limit
			(48)+(50)+(51)	(52)+(53)+(58)	(55)+(57)+(62)	(59)+(61)	(65)+(71)	(67)+(68)+(72)	
Dibutyl Phthalate(DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Result						Limit
			(73)	(74)+(75)+(78)	(77)+(82)+(90)	(79)+(81)+(85)	(92)+(93)	(94)+(95)+(96)	
Dibutyl Phthalate(DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	Pass	/

Note:

- N.D.= Not Detected or less than MDL
- MDL = Method Detection Limit
- "+" = Composite testing.
- The Result less than MDL are not taken into account while calculating the sum contents.

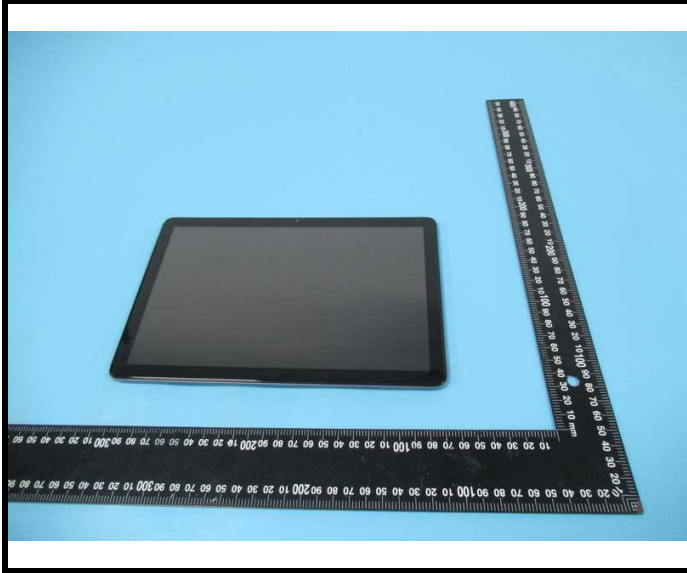
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Photograph of Sample



BACL authenticate the photo on original report only

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Statement:

- 1.This report cannot be reproduced except in full, without prior written approval of the Company.
- 2.Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
- 3.This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
- 4.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
- 5.The information which provided by the applicant, such as sample description, sample name, material component, style/item No. , P.O. No. , manufacturer, age phase, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
- 6.The test samples were in good condition before testing.

*** End of Report ***