

TEST REPORT

Report No.: **SZ1210507-15559E-M1**

Date: July 02, 2021

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Shenzhen Huafurui Technology Co., Ltd

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This report supersedes SZ1210507-15559E which was generated on June 04, 2021.

Report on the submitted samples said to be:

Sample Description: Smart phone
Style/Item No.: KINGKONG 7
Country of Origin: China
Brand: CUBOT
Sample Receiving Date: May 07,2021
Testing Period: May 07,2021 - May 24,2021
Result: **Pass**

Signed for and on behalf of

BACL



Checked by: _____
Candy Lin



Approved by: _____
Lance Lee



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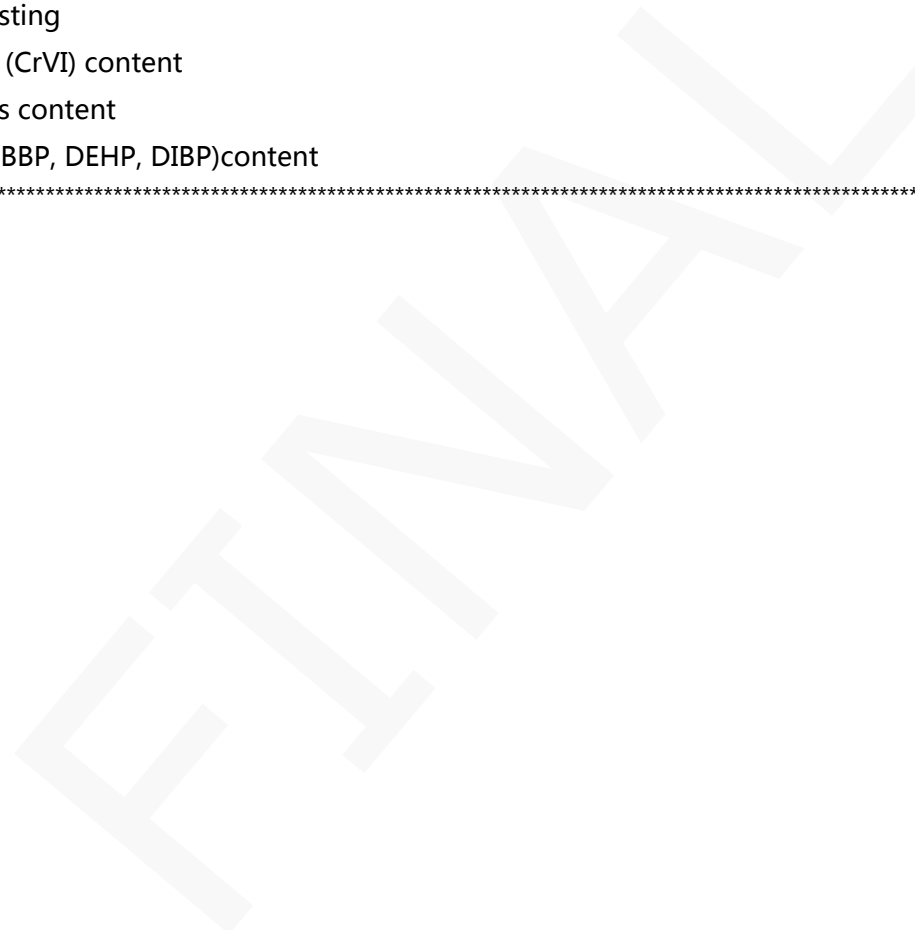
Summary of Test Result:

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 Chromium VI (CrVI) content	Pass
A.2.2 PBBs & PBDEs content	Pass
A.3 Phthalates(DBP, BBP, DEHP, DIBP)content	Pass



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Result:

Tested part(s):

- (1) White plastic (cover, adaptor)
- (2) White plastic (pin holder, adaptor)
- (3) Silvery metal (pin, adaptor)
- (4) White / black printed green coated brown plastic with coppery metal (PCB, adaptor)
- (5) Silvery solder (PCB, adaptor)
- (6) White glue (PCB, adaptor)
- (7) Silvery metal (holder, USB socket, PCB, adaptor)
- (8) Golden plated silvery metal (pin, USB socket, PCB, adaptor)
- (9) White plastic (pin holder, USB socket, PCB, adaptor)
- (10) Black plastic (shielding case, PCB, adaptor)
- (11) Silvery metal (contact plate, PCB, adaptor)
- (12) Black printed blue plastic with adhesive (tape, transformer, PCB, adaptor)
- (13) Light yellow plastic with adhesive (tape, transformer, PCB, adaptor)
- (14) Coppery metal (coil, transformer, PCB, adaptor)
- (15) Yellow plastic (coil jacket, transformer, PCB, adaptor)
- (16) Black plastic (coil holder, transformer, PCB, adaptor)
- (17) Black magnet (frame, transformer, PCB, adaptor)
- (18) Gray printed brown plastic (sleeve, capacitor "C1 & C2" , PCB, adaptor)
- (19) Silvery body (capacitor "C1 & C2" , PCB, adaptor)
- (20) Gray printed green plastic (sleeve, capacitor "C7" , PCB, adaptor)
- (21) Silvery body (capacitor "C7" , PCB, adaptor)
- (22) Gray printed black plastic (sleeve, capacitor "C4" , PCB, adaptor)
- (23) Silvery body (capacitor "C4" , PCB, adaptor)
- (24) Red printed silvery body (capacitor "C8" , PCB, adaptor)
- (25) Blue body (capacitor "CY1" , PCB, adaptor)
- (26) Multi-color coated green body (big resistor, PCB, adaptor)
- (27) Silvery metal (pin, big resistor, PCB, adaptor)
- (28) Multi-color coated black body (small resistor, PCB, adaptor)
- (29) Silvery metal (pin, small resistor, PCB, adaptor)
- (30) Black plastic (sleeve, small resistor, PCB, adaptor)
- (31) Black body (IC "U1" , PCB, adaptor)
- (32) Black body (IC "U3" , PCB, adaptor)

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- (33) Black body (IC "U2" , PCB, adaptor)
- (34) Black body (SMD diode, PCB, adaptor)
- (35) Black / white body (SMD resistor, PCB, adaptor)
- (36) Brown body (SMD capacitor, PCB, adaptor)
- (37) Black printed silvery plastic with adhesive (label, USB cable)
- (38) White PVC (type-A holder, USB cable)
- (39) White PVC (type-C holder, USB cable)
- (40) White PVC (cable jacket, USB cable)
- (41) Green plastic (wire jacket, USB cable)
- (42) Red plastic (wire jacket, USB cable)
- (43) White plastic (wire jacket, USB cable)
- (44) Black plastic (wire jacket, USB cable)
- (45) Coppery metal (wire, USB cable)
- (46) Silvery metal (cover, type-A, USB cable)
- (47) Silvery metal (pin, type-A, USB cable)
- (48) Silvery solder (pin, type-A, USB cable)
- (49) White plastic (pin holder, type-A, USB cable)
- (50) Translucent plastic (cable holder, type-A, USB cable)
- (51) Silvery metal (cover, type-C, USB cable)
- (52) Silvery metal (thin pin, type-C, USB cable)
- (53) Silvery metal (thick pin, type-C, USB cable)
- (54) Black plastic (pin holder, type-C, USB cable)
- (55) Beige plastic (sleeve, pin holder, type-C, USB cable)
- (56) Translucent plastic (PCB holder, type-C, USB cable)
- (57) White printed blue coated white plastic with coppery metal (PCB, type-C, USB cable)
- (58) Silvery solder (PCB, type-C, USB cable)
- (59) Black body (SMD resistor, PCB, type-C, USB cable)
- (60) Brown body (SMD capacitor, PCB, type-C, USB cable)
- (61) White plastic (plug holder, earphone)
- (62) Silvery metal (cover, plug, earphone)
- (63) Silvery metal (pin, plug, earphone)
- (64) Dark gray plastic (pin holder, plug, earphone)
- (65) Silvery metal (plate, pin holder, plug, earphone)
- (66) White printed green coated white plastic with coppery metal (PCB, plug, earphone)
- (67) Silvery solder (PCB, plug, earphone, raw material)

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- (68) White plastic (PCB holder, plug, earphone)
- (69) White soft plastic (thick wire jacket, earphone)
- (70) White soft plastic (thin wire jacket, earphone)
- (71) Blue plated coppery metal (wire, earphone)
- (72) Red plated coppery metal (wire, earphone)
- (73) Green plated coppery metal (wire, earphone)
- (74) Coppery metal (wire, earphone)
- (75) White fabric (lining, wire, earphone)
- (76) White soft plastic (cable clip, earphone)
- (77) White plastic (cable clip, earphone)
- (78) White plastic (cover, controller, earphone)
- (79) Blue coated white plastic with coppery metal (PCB, controller, earphone)
- (80) Silvery solder (PCB, controller, earphone)
- (81) Silvery body (mic, PCB, controller, earphone)
- (82) Silvery metal (spring plate, PCB, controller, earphone)
- (83) Black body (SMD resistor, PCB, controller, earphone)
- (84) White plastic (cover, receiver, earphone)
- (85) Dark blue fabric with adhesive (dust gauze, cover, receiver, earphone)
- (86) White plastic (cable holder, receiver, earphone)
- (87) Brown body (SMD capacitor, main PCB, mobile phone)
- (88) Transparent plastic (diaphragm, receiver, earphone)
- (89) Silvery metal (diaphragm shield & magnet holder, receiver, earphone)
- (90) Coppery metal (coil, receiver, earphone)
- (91) Silvery magnet (receiver, earphone)
- (92) White fabric (magnet holder, receiver, earphone)
- (93) Black / white body (SMD resistor, main PCB, mobile phone)
- (94) Green coated white plastic with coppery metal (PCB, receiver, earphone)
- (95) Silvery solder (PCB, receiver, earphone, raw material)
- (96) Black plastic (cover, mobile phone)
- (97) Black soft plastic (sleeve, cover, mobile phone)
- (98) Gray printed black plastic with silvery metal (logo, cover, mobile phone)
- (99) Golden metal (nut, cover, mobile phone)
- (100) Transparent plastic with adhesive (double adhesive tape, cover, mobile phone)
- (101) White glue (cover, mobile phone)
- (102) Black /silvery coated transparent glass (rear camera shield, cover, mobile phone)

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- (103) Dark gray plated silvery metal (rear camera shield, cover, mobile phone)
- (104) Black EVA with adhesive (rear camera shield & cover, mobile phone)
- (105) Dark gray plated silvery metal (side, cover, mobile phone)
- (106) Black plated silvery metal (screw, side, cover, mobile phone)
- (107) Black plastic (SIM card shield, side, cover, mobile phone)
- (108) Black plastic (USB socket shield, side, cover, mobile phone)
- (109) Silvery plastic with adhesive (film, battery, mobile phone)
- (110) Black body (SMD diode, main PCB, mobile phone)
- (111) Yellow plastic with adhesive (tape, battery, mobile phone)
- (112) Silvery metal (contact plate, battery, mobile phone)
- (113) White printed orange plastic with coppery metal (FPC, battery, mobile phone)
- (114) Silvery solder (FPC, battery, mobile phone)
- (115) Golden metal (pin, connector, FPC, battery, mobile phone)
- (116) Black plastic (pin holder, connector, FPC, battery, mobile phone)
- (117) White body (SMD LED, main PCB, mobile phone)
- (118) White printed black coated white plastic with coppery metal (PCB, battery, mobile phone)
- (119) Silvery solder (PCB, battery, mobile phone)
- (120) Gray body (small inductor, main PCB, mobile phone)
- (121) Black body (big IC, PCB, battery, mobile phone)
- (122) Black body (small IC, PCB, battery, mobile phone)
- (123) Black (SMD resistor, FPC, battery, mobile phone)
- (124) Brown body (SMD capacitor, FPC, battery, mobile phone)
- (125) Dark silvery metal (fixed plate, mobile phone)
- (126) Silvery metal (screw, fixed plate, mobile phone)
- (127) Black / brown plastic with golden metal (NFC FPC, mobile phone)
- (128) Black / orange plastic with coppery metal (Wi-Fi FPC, mobile phone)
- (129) Black plastic (main PCB holder, mobile phone)
- (130) Black / orange plastic with coppery metal (GSM FPC, mobile phone)
- (131) Black plastic (cable jacket, GSM cable, mobile phone)
- (132) Transparent plastic (wire jacket, GSM cable, mobile phone)
- (133) Silvery metal (wire, GSM cable, mobile phone)
- (134) Silvery metal (mesh sleeve, wire jacket, GSM cable, mobile phone)
- (135) Golden metal (plug, GSM cable, mobile phone)
- (136) Silvery metal (plug holder, GSM cable, mobile phone)
- (137) Black plastic (insulation, plug, GSM cable, mobile phone)

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- (138) Black plastic (speaker holder, mobile phone)
- (139) Gray body (big inductor, main PCB, mobile phone)
- (140) Black soft plastic (washer, speaker, mobile phone)
- (141) White printed orange plastic with coppery metal (FPC, speaker, mobile phone)
- (142) Silvery solder (FPC, speaker, mobile phone)
- (143) Silvery metal (coil holder, speaker, mobile phone)
- (144) Coppery metal (coil, speaker, mobile phone)
- (145) Silvery metal (diaphragm, speaker, mobile phone)
- (146) Transparent plastic (diaphragm, speaker, mobile phone)
- (147) Silvery metal (magnet holder, speaker, mobile phone)
- (148) Silvery magnet (speaker, mobile phone)
- (149) Transparent plastic (flashlight shield, mobile phone)
- (150) White printed orange plastic with coppery metal (FPC, flashlight, mobile phone)
- (151) Yellow / white body (SMD LED, flashlight PCB, rear cover, mobile phone)
- (152) Black plated silvery metal (dust gauze, receiver, mobile phone)
- (153) Black fabric (dust gauze, receiver, mobile phone)
- (154) Black soft plastic with black EVA (dust gauze holder, receiver, mobile phone)
- (155) Black plastic (holder, receiver, mobile phone)
- (156) Golden plated silvery metal (contact plate, receiver, mobile phone)
- (157) White printed orange plastic with coppery metal (FPC, receiver, mobile phone)
- (158) Silvery metal (stiffening plate, FPC, receiver, mobile phone)
- (159) Coppery metal (coil, receiver, mobile phone)
- (160) Silvery metal (coil holder, receiver, mobile phone)
- (161) Silvery metal (diaphragm holder, receiver, mobile phone)
- (162) Transparent plastic (diaphragm, receiver, mobile phone)
- (163) Black printed silvery metal (magnet holder, receiver, mobile phone)
- (164) Silvery magnet (receiver, mobile phone)
- (165) Dark gray plated silvery metal (button holder, volume control, mobile phone)
- (166) Black plastic (button, volume control, mobile phone)
- (167) Transparent plastic with black EVA (pad, volume control & camera key & power button, mobile phone)
- (168) White printed orange / black plastic with coppery metal (FPC, volume control, mobile phone)
- (169) Blue body (GPS, main PCB, mobile phone)
- (170) Silvery metal (spring plate, FPC, volume control, mobile phone)
- (171) Silvery metal (stiffening plate, FPC, volume control, mobile phone)
- (172) Dark gray plated silvery metal (button holder, power button, mobile phone)

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- (173) Black plastic (button, power button, mobile phone)
- (174) White printed orange / black plastic with coppery metal (FPC, power button, mobile phone)
- (175) Silvery metal (spring plate, FPC, power button, mobile phone)
- (176) Silvery metal (stiffening plate, FPC, power button, mobile phone)
- (177) Dark gray plated silvery metal (button holder, camera key, mobile phone)
- (178) Black plastic (button, camera key, mobile phone)
- (179) White printed orange plastic with coppery metal (FPC, camera key, mobile phone)
- (180) Silvery metal (spring plate, FPC, camera key, mobile phone)
- (181) Silvery metal (stiffening plate, FPC, camera key, mobile phone)
- (182) White printed orange plastic with coppery metal (FPC, fingerprint recognition module, mobile phone)
- (183) Black body (IC, FPC, fingerprint recognition module, mobile phone)
- (184) Silvery metal (stiffening plate, FPC, fingerprint recognition module, mobile phone)
- (185) Brown body (SMD capacitor, FPC, fingerprint recognition module, mobile phone)
- (186) Golden plated silvery metal (pin, connector, FPC, fingerprint recognition module, mobile phone)
- (187) Silvery solder (pin, connector, FPC, fingerprint recognition module, mobile phone)
- (188) Black plastic (pin holder, FPC, fingerprint recognition module, mobile phone)
- (189) Black coated transparent glass with adhesive (touch panel, LCD, mobile phone)
- (190) Silvery transparent plastic with black glue (film, screen, LCD, mobile phone)
- (191) Silvery coated black transparent glass (body, screen, LCD, mobile phone)
- (192) Silvery body (IC, screen, LCD, mobile phone)
- (193) Black printed silvery metal (cover, backlight module, LCD, mobile phone)
- (194) White plastic (frame, backlight module, LCD, mobile phone)
- (195) Bright silvery transparent plastic (diffuser sheet, backlight module, LCD, mobile phone)
- (196) Silvery transparent plastic (diffuser sheet, backlight module, LCD, mobile phone)
- (197) Transparent plastic (light guide plate, backlight module, LCD, mobile phone)
- (198) Silvery plastic (reflect sheet, backlight module, LCD, mobile phone)
- (199) White translucent plastic (film, backlight module, LCD, mobile phone)
- (200) White body (IC, main PCB, mobile phone)
- (201) Black body (small IC, main PCB, mobile phone)
- (202) White printed orange plastic with golden metal with white / black tape (FPC, backlight module, LCD, mobile phone)
- (203) White body (SMD LED, FPC, backlight module, LCD, mobile phone)
- (204) Black body (medium IC, main PCB, mobile phone)
- (205) White printed black coated orange / green plastic with golden metal (FPC, screen, LCD, mobile phone)
- (206) Silvery solder (FPC, screen, LCD, mobile phone)
- (207) Silvery metal (stiffening plate, FPC, screen, LCD, mobile phone)

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- (208) Yellow transparent plastic with adhesive (tape, FPC, screen, LCD, mobile phone)
- (209) Golden metal (pin, connector, FPC, screen, LCD, mobile phone)
- (210) Black plastic (pin holder, connector, FPC, screen, LCD, mobile phone)
- (211) Black body (IC, FPC, screen, LCD, mobile phone)
- (212) Black body (SMD diode, FPC, screen, LCD, mobile phone)
- (213) Black body (SMD resistor, FPC, screen, LCD, mobile phone)
- (214) Brown body (SMD capacitor, FPC, screen, LCD, mobile phone)
- (215) White printed orange / black plastic with golden metal (FPC, rear big camera, mobile phone)
- (216) Silvery solder (rear big camera, mobile phone)
- (217) Silvery metal (holder, rear big camera, mobile phone)
- (218) Silvery magnet (rear big camera, mobile phone)
- (219) Coppery metal (coil, rear big camera, mobile phone)
- (220) Black plastic (coil holder, rear big camera, mobile phone)
- (221) Black plastic (lens cover, rear big camera, mobile phone)
- (222) Transparent plastic (big lens, rear big camera, mobile phone)
- (223) Transparent plastic (small lens, rear big camera, mobile phone)
- (224) Black plastic (ring, lens, rear big camera, mobile phone)
- (225) Black plastic (washer, lens, rear big camera, mobile phone)
- (226) Blue transparent glass (filter, rear big camera, mobile phone)
- (227) Black plastic (holder, filter, rear big camera, mobile phone)
- (228) Iridescent body (IC, rear big camera, mobile phone)
- (229) Golden plated silvery metal (pin, connector, FPC, rear big camera, mobile phone)
- (230) Black plastic (pin holder, connector, FPC, rear big camera, mobile phone)
- (231) Silvery fabric with adhesive (tape, rear big camera, mobile phone)
- (232) Brown body (SMD capacitor, FPC, rear big camera, mobile phone)
- (233) Black body (SMD resistor, FPC, rear big camera, mobile phone)
- (234) White printed orange plastic with golden metal (FPC, rear medium camera, mobile phone)
- (235) Silvery solder (FPC, rear medium camera, mobile phone)
- (236) Silvery metal (stiffening plate, FPC, rear medium camera, mobile phone)
- (237) Black body (big IC, main PCB, mobile phone)
- (238) Silvery metal (holder, rear medium camera, mobile phone)
- (239) Silvery magnet (rear medium camera, mobile phone)
- (240) Coppery metal (coil, rear medium camera, mobile phone)
- (241) Black plastic (coil holder, rear medium camera, mobile phone)
- (242) Black plastic (lens cover, rear medium camera, mobile phone)

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- (243) Transparent plastic (lens, rear medium camera, mobile phone)
- (244) Black plastic (washer, lens, rear medium camera, mobile phone)
- (245) Black plastic (ring, lens, rear medium camera, mobile phone)
- (246) Blue transparent glass (filter, rear medium camera, mobile phone)
- (247) Iridescent body (big IC, FPC, rear medium camera, mobile phone)
- (248) Black body (small IC, FPC, rear medium camera, mobile phone)
- (249) Brown body (SMD capacitor, FPC, rear medium camera, mobile phone)
- (250) Golden plated silvery metal (pin, connector, FPC, rear medium camera, mobile phone)
- (251) Black plastic (pin holder, connector, FPC, rear medium camera, mobile phone)
- (252) White printed orange plastic with golden metal (FPC, rear small camera, mobile phone)
- (253) Silvery metal (stiffening plate, FPC, rear small camera, mobile phone)
- (254) Black plastic (holder, rear small camera, mobile phone)
- (255) Black plastic (cover, lens, rear small camera, mobile phone)
- (256) Transparent plastic (big lens, rear small camera, mobile phone)
- (257) Transparent plastic (small lens, rear small camera, mobile phone)
- (258) Black plastic (washer, lens, rear small camera, mobile phone)
- (259) Black plastic (ring, lens, rear small camera, mobile phone)
- (260) Blue transparent glass (filter, rear small camera, mobile phone)
- (261) Iridescent body (IC, FPC, rear small camera, mobile phone)
- (262) Golden plated silvery metal (pin, connector, FPC, rear small camera, mobile phone)
- (263) Black plastic (pin holder, connector, FPC, rear small camera, mobile phone)
- (264) Brown body (SMD capacitor, FPC, rear small camera, mobile phone)
- (265) White printed orange / black plastic with golden metal (FPC, front camera, mobile phone)
- (266) Silvery metal (stiffening plate, FPC, front camera, mobile phone)
- (267) Black plastic (holder, front camera, mobile phone)
- (268) Black plastic (lens cover, front camera, mobile phone)
- (269) Transparent plastic (big lens, front camera, mobile phone)
- (270) Transparent plastic (small lens, front camera, mobile phone)
- (271) Black plastic (big washer, lens, front camera, mobile phone)
- (272) Black plastic (small washer, lens, front camera, mobile phone)
- (273) Blue transparent glass (filter, front camera, mobile phone)
- (274) Iridescent body (IC, front camera, mobile phone)
- (275) Golden plated silvery metal (pin, connector, FPC, front camera, mobile phone)
- (276) Black plastic (pin holder, connector, FPC, front camera, mobile phone)
- (277) Brown body (SMD capacitor, FPC, front camera, mobile phone)

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- (278) Blue body (IC, main PCB, mobile phone)
- (279) Silvery metal (cover, vibrator, mobile phone)
- (280) Silvery metal (base, vibrator, mobile phone)
- (281) Silvery metal (axis, vibrator, mobile phone)
- (282) Silvery magnet (vibrator, mobile phone)
- (283) Coppery metal (coil, vibrator, mobile phone)
- (284) Golden metal (loop, rotor, vibrator, mobile phone)
- (285) Silvery metal (rotor, vibrator, mobile phone)
- (286) White plastic (rotor, vibrator, mobile phone)
- (287) Green coated white plastic with golden metal (PCB, vibrator, mobile phone)
- (288) Orange plastic with coppery metal (PFC, vibrator, mobile phone)
- (289) Silvery solder (PFC, vibrator, mobile phone)
- (290) Black body (CPU, main PCB, mobile phone)
- (291) Silvery body (crystal oscillator, main PCB, mobile phone)
- (292) Golden plated silvery metal (contact plate, main PCB, mobile phone)
- (293) Silvery metal (wire, vibrator, mobile phone)
- (294) Transparent plastic (shield, sensor, mobile phone)
- (295) Black plastic (pin holder, small connector, main PCB, mobile phone)
- (296) Black body (sensor, mobile phone)
- (297) Silvery metal (holder, USB socket, mobile phone)
- (298) Golden plated silvery metal (pin, USB socket, mobile phone)
- (299) Black plastic (pin holder, USB socket, mobile phone)
- (300) Silvery metal (plate, USB socket, mobile phone)
- (301) White printed green coated white plastic with coppery metal (PCB, USB socket, mobile phone)
- (302) Silvery solder (PCB, USB socket, mobile phone)
- (303) Black plated silvery metal (screw, PCB, USB socket, mobile phone)
- (304) Silvery metal (screw, PCB, USB socket, mobile phone)
- (305) Silvery fabric with adhesive (tape, USB socket PCB & main PCB, mobile phone)
- (306) Black plastic (pin holder, connector, PCB, USB socket, mobile phone)
- (307) Golden metal (pin, connector, PCB, USB socket, mobile phone)
- (308) Golden metal (GSM socket, USB socket PCB & main PCB, mobile phone)
- (309) Black plastic (insulation, GSM socket, USB socket PCB & main PCB, mobile phone)
- (310) Golden plated silvery metal (spring contact plate, PCB, USB socket, mobile phone)
- (311) Silvery body (mic, PCB, USB socket, mobile phone)
- (312) Black body (big IC, PCB, USB socket, mobile phone)

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- (313) Black body (small IC, PCB, USB socket, mobile phone)
- (314) Black body (SMD diode, PCB, USB socket, mobile phone)
- (315) Black body (SMD resistor, PCB, USB socket, mobile phone)
- (316) Brown body (SMD capacitor, PCB, USB socket, mobile phone)
- (317) White printed orange plastic with coppery metal (FPC, PCB, USB socket, mobile phone)
- (318) Black plastic (pin holder, connector, FPC, PCB, USB socket, mobile phone)
- (319) Golden metal (pin, connector, FPC, PCB, USB socket, mobile phone)
- (320) Blue coated white plastic with coppery metal (main PCB, mobile phone)
- (321) Silvery solder (main PCB, mobile phone)
- (322) Silvery metal (screw, main PCB, mobile phone)
- (323) Silvery metal (small shielding case, main PCB, mobile phone)
- (324) Yellow plated silvery metal (big shielding case, main PCB, mobile phone)
- (325) Black printed white paper with adhesive (label, main PCB, mobile phone)
- (326) Silvery metal (cover, socket, main PCB, mobile phone)
- (327) Black plastic (insulation, socket, main PCB, mobile phone)
- (328) Silvery metal (shield, SIM card slot, mobile phone)
- (329) Dark gray plastic (pin holder, SIM card slot, mobile phone)
- (330) Golden plated silvery metal (pin, SIM card slot, mobile phone)
- (331) Golden plated silvery metal (pin, big connector, main PCB, mobile phone)
- (332) Black plastic (pin holder, big connector, main PCB, mobile phone)
- (333) Golden plated silvery metal (pin, medium connector, main PCB, mobile phone)
- (334) Black plastic (pin holder, medium connector, main PCB, mobile phone)
- (335) Silvery metal (holder, medium connector, main PCB, mobile phone)
- (336) Golden plated silvery metal (pin, small connector, main PCB, mobile phone)

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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.	Result				
	Pb	Cd	Hg	Cr	Br
(1)	BL	BL	BL	BL	BL
(2)	BL	BL	BL	BL	BL
(3)	BL	BL	BL	BL	---
(4)*	BL	BL	BL	BL	X
(5)	BL	BL	BL	BL	---
(6)	BL	BL	BL	BL	BL
(7)	BL	BL	BL	BL	---
(8)	BL	BL	BL	BL	---
(9)*	BL	BL	BL	BL	X
(10)*	BL	BL	BL	BL	X
(11)	BL	BL	BL	BL	---
(12)	BL	BL	BL	BL	BL
(13)	BL	BL	BL	BL	BL
(14)	BL	BL	BL	BL	---
(15)	BL	BL	BL	BL	BL
(16)	BL	BL	BL	BL	BL
(17)	BL	BL	BL	BL	BL
(18)	BL	BL	BL	BL	BL
(19)	BL	BL	BL	BL	BL
(20)	BL	BL	BL	BL	BL
(21)	BL	BL	BL	BL	BL
(22)	BL	BL	BL	BL	BL
(23)	BL	BL	BL	BL	BL
(24)	BL	BL	BL	BL	BL
(25)	BL	BL	BL	BL	BL
(26)	BL	BL	BL	BL	BL
(27)	BL	BL	BL	BL	---

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	Pb	Cd	Hg	Cr	Br
(28)	BL	BL	BL	BL	BL
(29)	BL	BL	BL	BL	---
(30)	BL	BL	BL	BL	BL
(31)	BL	BL	BL	BL	BL
(32)	BL	BL	BL	BL	BL
(33)	BL	BL	BL	BL	BL
(34)	BL	BL	BL	BL	BL
(35)	BL	BL	BL	BL	BL
(36)	BL	BL	BL	BL	BL
(37)	BL	BL	BL	BL	BL
(38)	BL	BL	BL	BL	BL
(39)	BL	BL	BL	BL	BL
(40)	BL	BL	BL	BL	BL
(41)	BL	BL	BL	BL	BL
(42)	BL	BL	BL	BL	BL
(43)	BL	BL	BL	BL	BL
(44)	BL	BL	BL	BL	BL
(45)	BL	BL	BL	BL	---
(46)	BL	BL	BL	BL	---
(47)	BL	BL	BL	BL	---
(48)	BL	BL	BL	BL	---
(49)	BL	BL	BL	BL	BL
(50)	BL	BL	BL	BL	BL
(51)	BL	BL	BL	BL	---
(52)	BL	BL	BL	BL	---
(53)	BL	BL	BL	BL	---
(54)	BL	BL	BL	BL	BL
(55)	BL	BL	BL	BL	BL
(56)	BL	BL	BL	BL	BL
(57)*	BL	BL	BL	BL	X
(58)	BL	BL	BL	BL	---

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	Pb	Cd	Hg	Cr	Br
(59)	BL	BL	BL	BL	BL
(60)	BL	BL	BL	BL	BL
(61)	BL	BL	BL	BL	BL
(62)	BL	BL	BL	BL	---
(63)*	BL	BL	BL	X	---
(64)	BL	BL	BL	BL	BL
(65)	BL	BL	BL	BL	---
(66)	BL	BL	BL	BL	---
(67)	BL	BL	BL	BL	---
(68)	BL	BL	BL	BL	BL
(69)	BL	BL	BL	BL	BL
(70)	BL	BL	BL	BL	BL
(71)	BL	BL	BL	BL	---
(72)	BL	BL	BL	BL	---
(73)	BL	BL	BL	BL	---
(74)	BL	BL	BL	BL	---
(75)	BL	BL	BL	BL	BL
(76)	BL	BL	BL	BL	BL
(77)	BL	BL	BL	BL	BL
(78)	BL	BL	BL	BL	BL
(79)*	BL	BL	BL	BL	X
(80)	BL	BL	BL	BL	---
(81)	BL	BL	BL	BL	BL
(82)	BL	BL	BL	BL	---
(83)	BL	BL	BL	BL	BL
(84)	BL	BL	BL	BL	BL
(85)	BL	BL	BL	BL	BL
(86)	BL	BL	BL	BL	BL
(87)	BL	BL	BL	BL	BL
(88)	BL	BL	BL	BL	BL
(89)	BL	BL	BL	BL	---

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Seq No.	Result				
	Pb	Cd	Hg	Cr	Br
(90)	BL	BL	BL	BL	---
(91)	BL	BL	BL	BL	BL
(92)	BL	BL	BL	BL	BL
(93)	BL	BL	BL	BL	BL
(94)	BL	BL	BL	BL	BL
(95)	BL	BL	BL	BL	---
(96)	BL	BL	BL	BL	BL
(97)	BL	BL	BL	BL	BL
(98)	BL	BL	BL	BL	---
(99)* ¹	OL(19867)	BL	BL	BL	---
(100)	BL	BL	BL	BL	BL
(101)	BL	BL	BL	BL	BL
(102)	BL	BL	BL	BL	BL
(103)	BL	BL	BL	BL	---
(104)	BL	BL	BL	BL	BL
(105)	BL	BL	BL	BL	---
(106)*	BL	BL	BL	X	---
(107)	BL	BL	BL	BL	BL
(108)	BL	BL	BL	BL	BL
(109)	BL	BL	BL	BL	BL
(110)	BL	BL	BL	BL	BL
(111)	BL	BL	BL	BL	BL
(112)	BL	BL	BL	BL	---
(113)	BL	BL	BL	BL	BL
(114)	BL	BL	BL	BL	---
(115)*	BL	BL	BL	X	---
(116)	BL	BL	BL	BL	BL
(117)	BL	BL	BL	BL	BL
(118)	BL	BL	BL	BL	---
(119)	BL	BL	BL	BL	---
(120)	BL	BL	BL	BL	BL

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Seq No.	Result				
	Pb	Cd	Hg	Cr	Br
(121)	BL	BL	BL	BL	BL
(122)	BL	BL	BL	BL	BL
(123)	BL	BL	BL	BL	BL
(124)	BL	BL	BL	BL	BL
(125)	BL	BL	BL	BL	---
(126)	BL	BL	BL	BL	---
(127)*	BL	BL	BL	BL	X
(128)	BL	BL	BL	BL	BL
(129)	BL	BL	BL	BL	BL
(130)	BL	BL	BL	BL	BL
(131)	BL	BL	BL	BL	BL
(132)	BL	BL	BL	BL	BL
(133)	BL	BL	BL	BL	---
(134)	BL	BL	BL	BL	---
(135)	BL	BL	BL	BL	---
(136)	BL	BL	BL	BL	---
(137)	BL	BL	BL	BL	BL
(138)	BL	BL	BL	BL	BL
(139)	BL	BL	BL	BL	BL
(140)	BL	BL	BL	BL	BL
(141)	BL	BL	BL	BL	BL
(142)	BL	BL	BL	BL	---
(143)	BL	BL	BL	BL	---
(144)	BL	BL	BL	BL	---
(145)	BL	BL	BL	BL	---
(146)	BL	BL	BL	BL	BL
(147)	BL	BL	BL	BL	---
(148)	BL	BL	BL	BL	BL
(149)	BL	BL	BL	BL	BL
(150)	BL	BL	BL	BL	BL
(151)	BL	BL	BL	BL	BL

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	Pb	Cd	Hg	Cr	Br
(152)	BL	BL	BL	BL	---
(153)	BL	BL	BL	BL	BL
(154)	BL	BL	BL	BL	BL
(155)	BL	BL	BL	BL	BL
(156)*	BL	BL	BL	X	---
(157)	BL	BL	BL	BL	BL
(158)	BL	BL	BL	BL	---
(159)	BL	BL	BL	BL	---
(160)	BL	BL	BL	BL	---
(161)	BL	BL	BL	BL	---
(162)	BL	BL	BL	BL	BL
(163)	BL	BL	BL	BL	---
(164)	BL	BL	BL	BL	BL
(165)	BL	BL	BL	BL	---
(166)	BL	BL	BL	BL	BL
(167)	BL	BL	BL	BL	BL
(168)	BL	BL	BL	BL	BL
(169)	BL	BL	BL	BL	BL
(170)	BL	BL	BL	BL	---
(171)	BL	BL	BL	BL	---
(172)	BL	BL	BL	BL	---
(173)	BL	BL	BL	BL	BL
(174)*	BL	BL	BL	BL	X
(175)	BL	BL	BL	BL	---
(176)	BL	BL	BL	BL	---
(177)	BL	BL	BL	BL	---
(178)	BL	BL	BL	BL	BL
(179)	BL	BL	BL	BL	---
(180)	BL	BL	BL	BL	---
(181)	BL	BL	BL	BL	---
(182)	BL	BL	BL	BL	---

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Seq No.	Result				
	Pb	Cd	Hg	Cr	Br
(183)	BL	BL	BL	BL	BL
(184)	BL	BL	BL	BL	---
(185)	BL	BL	BL	BL	BL
(186)*	BL	BL	BL	X	---
(187)	BL	BL	BL	BL	---
(188)	BL	BL	BL	BL	BL
(189)	BL	BL	BL	BL	BL
(190)	BL	BL	BL	BL	BL
(191)	BL	BL	BL	BL	BL
(192)	BL	BL	BL	BL	BL
(193)*	BL	BL	BL	X	---
(194)	BL	BL	BL	BL	BL
(195)	BL	BL	BL	BL	BL
(196)	BL	BL	BL	BL	BL
(197)	BL	BL	BL	BL	BL
(198)	BL	BL	BL	BL	BL
(199)	BL	BL	BL	BL	BL
(200)	BL	BL	BL	BL	BL
(201)	BL	BL	BL	BL	BL
(202)	BL	BL	BL	BL	---
(203)	BL	BL	BL	BL	BL
(204)	BL	BL	BL	BL	BL
(205)	BL	BL	BL	BL	BL
(206)	BL	BL	BL	BL	---
(207)	BL	BL	BL	BL	---
(208)	BL	BL	BL	BL	BL
(209)*	BL	BL	BL	X	---
(210)	BL	BL	BL	BL	BL
(211)	BL	BL	BL	BL	BL
(212)	BL	BL	BL	BL	BL
(213)	BL	BL	BL	BL	BL

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Seq No.	Result				
	Pb	Cd	Hg	Cr	Br
(214)	BL	BL	BL	BL	BL
(215)	BL	BL	BL	BL	BL
(216)	BL	BL	BL	BL	---
(217)	BL	BL	BL	BL	---
(218)	BL	BL	BL	BL	BL
(219)	BL	BL	BL	BL	---
(220)	BL	BL	BL	BL	BL
(221)	BL	BL	BL	BL	BL
(222)	BL	BL	BL	BL	BL
(223)	BL	BL	BL	BL	BL
(224)	BL	BL	BL	BL	BL
(225)	BL	BL	BL	BL	BL
(226)	BL	BL	BL	BL	BL
(227)	BL	BL	BL	BL	BL
(228)*	BL	BL	BL	BL	X
(229)	BL	BL	BL	BL	---
(230)	BL	BL	BL	BL	BL
(231)	BL	BL	BL	BL	BL
(232)	BL	BL	BL	BL	BL
(233)	BL	BL	BL	BL	BL
(234)	BL	BL	BL	BL	BL
(235)	BL	BL	BL	BL	---
(236)	BL	BL	BL	BL	---
(237)	BL	BL	BL	BL	BL
(238)	BL	BL	BL	BL	---
(239)	BL	BL	BL	BL	BL
(240)	BL	BL	BL	BL	---
(241)	BL	BL	BL	BL	BL
(242)	BL	BL	BL	BL	BL
(243)	BL	BL	BL	BL	BL
(244)	BL	BL	BL	BL	BL

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Seq No.	Result				
	Pb	Cd	Hg	Cr	Br
(245)	BL	BL	BL	BL	BL
(246)	BL	BL	BL	BL	BL
(247)	BL	BL	BL	BL	BL
(248)	BL	BL	BL	BL	BL
(249)	BL	BL	BL	BL	BL
(250)	BL	BL	BL	BL	---
(251)	BL	BL	BL	BL	BL
(252)	BL	BL	BL	BL	BL
(253)	BL	BL	BL	BL	---
(254)	BL	BL	BL	BL	BL
(255)	BL	BL	BL	BL	BL
(256)	BL	BL	BL	BL	BL
(257)	BL	BL	BL	BL	BL
(258)	BL	BL	BL	BL	BL
(259)	BL	BL	BL	BL	BL
(260)	BL	BL	BL	BL	BL
(261)	BL	BL	BL	BL	BL
(262)	BL	BL	BL	BL	---
(263)	BL	BL	BL	BL	BL
(264)	BL	BL	BL	BL	BL
(265)	BL	BL	BL	BL	BL
(266)	BL	BL	BL	BL	---
(267)	BL	BL	BL	BL	BL
(268)	BL	BL	BL	BL	BL
(269)	BL	BL	BL	BL	BL
(270)	BL	BL	BL	BL	BL
(271)	BL	BL	BL	BL	BL
(272)	BL	BL	BL	BL	BL
(273)	BL	BL	BL	BL	BL
(274)	BL	BL	BL	BL	BL
(275)	BL	BL	BL	BL	---

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Seq No.	Result				
	Pb	Cd	Hg	Cr	Br
(276)	BL	BL	BL	BL	BL
(277)	BL	BL	BL	BL	BL
(278)	BL	BL	BL	BL	BL
(279)	BL	BL	BL	BL	---
(280)	BL	BL	BL	BL	---
(281)	BL	BL	BL	BL	---
(282)	BL	BL	BL	BL	BL
(283)	BL	BL	BL	BL	---
(284)	BL	BL	BL	BL	---
(285)	BL	BL	BL	BL	---
(286)	BL	BL	BL	BL	BL
(287)*	BL	BL	BL	BL	X
(288)	BL	BL	BL	BL	BL
(289)	BL	BL	BL	BL	---
(290)	BL	BL	BL	BL	BL
(291)	BL	BL	BL	BL	BL
(292)*	BL	BL	BL	X	---
(293)	BL	BL	BL	BL	---
(294)	BL	BL	BL	BL	BL
(295)	BL	BL	BL	BL	BL
(296)	BL	BL	BL	BL	BL
(297)	BL	BL	BL	BL	---
(298)*	BL	BL	BL	X	---
(299)	BL	BL	BL	BL	BL
(300)	BL	BL	BL	BL	---
(301)*	BL	BL	BL	BL	X
(302)	BL	BL	BL	BL	---
(303)	BL	BL	BL	BL	---
(304)	BL	BL	BL	BL	---
(305)	BL	BL	BL	BL	BL
(306)	BL	BL	BL	BL	BL

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Seq No.	Result				
	Pb	Cd	Hg	Cr	Br
(307)*	BL	BL	BL	X	---
(308)	BL	BL	BL	BL	---
(309)	BL	BL	BL	BL	BL
(310)*	BL	BL	BL	X	---
(311)	BL	BL	BL	BL	BL
(312)	BL	BL	BL	BL	BL
(313)	BL	BL	BL	BL	BL
(314)	BL	BL	BL	BL	BL
(315)	BL	BL	BL	BL	BL
(316)	BL	BL	BL	BL	BL
(317)	BL	BL	BL	BL	BL
(318)	BL	BL	BL	BL	BL
(319)*	BL	BL	BL	X	---
(320)	BL	BL	BL	BL	BL
(321)	BL	BL	BL	BL	---
(322)	BL	BL	BL	BL	---
(323)	BL	BL	BL	BL	---
(324)	BL	BL	BL	BL	---
(325)	BL	BL	BL	BL	BL
(326)	BL	BL	BL	BL	---
(327)	BL	BL	BL	BL	BL
(328)	BL	BL	BL	BL	---
(329)	BL	BL	BL	BL	BL
(330)	BL	BL	BL	BL	---
(331)	BL	BL	BL	BL	---
(332)	BL	BL	BL	BL	BL
(333)	BL	BL	BL	BL	---
(334)	BL	BL	BL	BL	BL
(335)	BL	BL	BL	BL	---
(336)	BL	BL	BL	BL	---

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Note:

--- = Not Applicable.

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

*1 = As claimed by the material declaration submitted by the client, the materials of the sample No. 99 is copper alloy. And according to RoHS directive 2011/65/EU and its amendments, Lead is exempted as an alloying element in Copper containing up to 4% (40000ppm) by weight.

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 Chromium VI (CrVI) content

Test method: IEC 62321-7-1:2015

Item	Unit	MDL	Result						Limit
			(63)	(106)	(115)	(156)	(186)	(193)	
hexavalent chromium(Cr VI)	µg/cm ²	0.10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	See Remark
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	Pass	/

Item	Unit	MDL	Result						Limit
			(209)	(292)	(298)	(307)	(310)	(319)	
hexavalent chromium(Cr VI)	µg/cm ²	0.10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	See Remark
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	Pass	/

Limit Remark:

- The sample is positive for CrVI if the CrVI concentration is greater than 0.13µg/cm². The sample coating is considered to contain CrVI
 - The sample is negative for CrVI if CrVI is ND (concentration less than 0.10µg/cm²). The coating is considered a non-CrVI based coating
 - The result between 0.10µg/cm² and 0.13µg/cm² is considered to be inconclusive -unavoidable coating variations may influence the determination
- For corrosion protection coatings on metals: Information on storage conditions and production date of the tested sample is unavailable and thus results of Cr(VI) represent status of the sample at the time of testing.

A.2.2 PBBs & PBDEs content

Test method: IEC 62321-6:2015

Item	Unit	MDL	Result					Limit
			(4)	(9)	(10)	(57)	(79)	
Monobromobiphenyl (MonoBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Dibromobiphenyl(DiBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tribromobiphenyl(TriBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tetrabromobiphenyl(TetraBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Pentabromobiphenyl(PentaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Hexabromobiphenyl(HexaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Heptabromobiphenyl (HeptaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Octabromobiphenyl(OctaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Nonabromobiphenyl(NonaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Decabromobiphenyl(DecaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Monobromodiphenyl ether (MonoBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-

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Item	Unit	MDL	Result					Limit
			(4)	(9)	(10)	(57)	(79)	
Dibromodiphenyl ether (DiBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tribromodiphenyl ether (TriBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tetrabromodiphenyl ether (TetraBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Pentabromodiphenyl ether (PentaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Hexabromodiphenyl ether (HexaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Heptabromodiphenyl ether (HeptaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Octabromodiphenyl ether (OctaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Nonabromodiphenyl ether (NonaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Decabromodiphenyl ether (DecaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
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	/

Item	Unit	MDL	Result					Limit
			(127)	(174)	(228)	(287)	(301)	
Monobromobiphenyl (MonoBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Dibromobiphenyl (DiBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tribromobiphenyl (TriBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tetrabromobiphenyl (TetraBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Pentabromobiphenyl (PentaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Hexabromobiphenyl (HexaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-

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Item	Unit	MDL	Result					Limit
			(127)	(174)	(228)	(287)	(301)	
Heptabromobiphenyl (HeptaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Octabromobiphenyl (OctaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Nonabromobiphenyl (NonaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Decabromobiphenyl (DecaBB)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Monobromodiphenyl ether (MonoBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Dibromodiphenyl ether (DiBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tribromodiphenyl ether (TriBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Tetrabromodiphenyl ether (TetraBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Pentabromodiphenyl ether (PentaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Hexabromodiphenyl ether (HexaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Heptabromodiphenyl ether (HeptaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Octabromodiphenyl ether (OctaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Nonabromodiphenyl ether (NonaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
Decabromodiphenyl ether (DecaBDE)	mg/kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	-
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	/

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

Test method: IEC 62321-8:2017

Item	Unit	MDL	Result						Limit
			(1)+(2)	(4)+(12)+(13)	(6)	(9)+(10)	(15)+(16)+(18)	(19)+(20)+(21)	
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
			(22)+(23)+(24)	(25)+(26)+(28)	(30)+(31)+(32)	(33)+(34)	(37)+(49)+(54)	(38)	
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
			(39)	(40)	(41)+(42)	(43)+(44)	(50)+(55)	(56)+(57)+(66)	
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
			(61)+(64)+(68)	(69)+(70)+(76)	(75)+(79)+(81)	(77)+(78)	(84)+(86)	(85)+(88)+(92)	
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
			(94)+(102)+(113)	(96)+(97)+(98)	(100)+(101)+(104)	(107)+(108)+(109)	(110)+(117)+(169)	(111)+(129)+(138)	
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
			(116)+(118)+(121)	(122)+(127)+(128)	(130)+(131)+(132)	(137)+(141)+(146)	(140)+(166)	(149)+(150)+(151)	
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
			(153)+(154)+(155)	(157)+(162)+(167)	(168)+(173)+(174)	(178)+(179)+(182)	(183)+(185)+(188)	(189)+(191)	
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
			(190)+(198)	(192)+(194) +(195)	(196)+(197) +(199)	(200)+(201)	(202)+(203) +(205)	(204)+(237) +(278)	
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
			(208)+(210) +(211)	(212)+(215) +(220)	(221)+(222) +(223)	(224)+(225) +(227)	(228)+(230) +(231)	(234)+(241) +(242)	
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
			(243)+(244) +(245)	(247)+(248) +(251)	(252)+(254) +(255)	(256)+(257) +(258)	(259)+(261) +(263)	(265)+(267) +(268)	
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
			(269)+(270)+ (271)	(272)+(274)+ (276)	(286)+(287)+ (288)	(290)+(295)+ (334)	(294)+(296)+ (299)	
Dibutyl Phthalate(DBP)	mg/kg	30	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.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	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.	1000
Conclusion	/	/	Pass	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Result					Limit
			(301)+(305)+(306)	(309)+(311)+(312)	(313)+(314)+(317)	(318)+(320)+(325)	(327)+(329)+(332)	
Dibutyl Phthalate(DBP)	mg/kg	30	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.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	30	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.	1000
Conclusion	/	/	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.

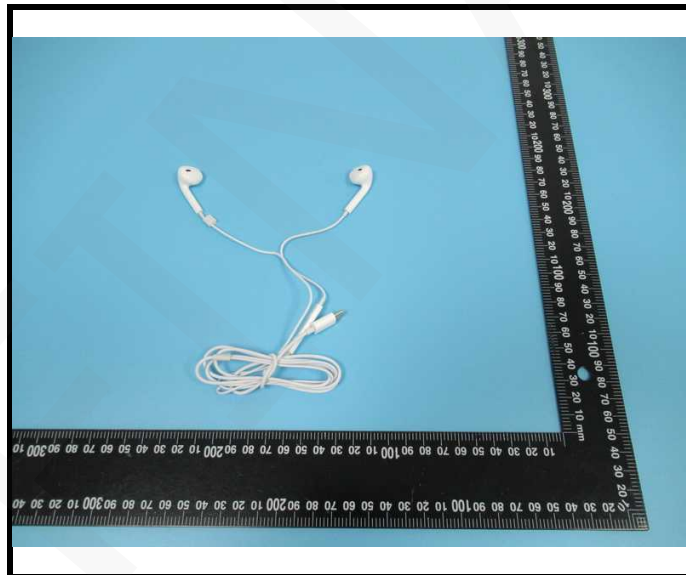
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Photograph of Sample



BACL authenticate the photo on original report only

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- 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.
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- 4.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
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- 6.The test samples were in good condition before testing.

*** End of Report ***