



TEST REPORT

Report No.: 2601S52218E

Date: May 25, 2026

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M5Stack Technology Co., Ltd

Block A10, Expo Bay South Coast, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Report on the submitted samples said to be:

Sample Description:	M5StopWatch
Style/Item No.:	StopWatch, TP-01-A
Sample Receiving Date:	April 10, 2026
Lately Re-submit Date:	April 28, 2026
Testing Period:	April 10, 2026 - May 15, 2026
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

Pass

A.1 XRF screening test

Please refer to next page(s).

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 magnet(slice, cover, M5StopWatch) [1]	BL	BL	BL	BL	---
(2)	Silvery metal(screw, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(3)	Black clear plastic(cover, M5StopWatch) [1]	BL	BL	BL	BL	BL
(4)	White plastic(cover, M5StopWatch) [2]	BL	BL	BL	BL	BL
(5)	Clear dry glue(cover, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(6)	Red printed gray plastic(button switch cover, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(7)	Blue plastic(button switch cover, M5StopWatch) [1]	BL	BL	BL	BL	BL
(8)	Yellow plastic(button switch cover, M5StopWatch) [1]	BL	BL	BL	BL	BL
(9)	Green printed white plastic(button switch cover, M5StopWatch) [2]	BL	BL	BL	BL	BL
(10)	Baby blue printed white plastic(button switch cover, M5StopWatch) [2]	BL	BL	BL	BL	BL
(11)	White plastic(pin holder, plug, connecting line, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(12)	Silvery metal(pin, plug, connecting line, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(13)	Black soft plastic(wire jacket, connecting line, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(14)	Red soft plastic(wire jacket, connecting line, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(15)	Silvery metal(inner wire, connecting line, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(16)	Silvery solder(connecting line, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(17)	Clear plastic(sleeve, connecting line, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(18)	White plastic with adhesive(sticker, outer cover, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(19)*	Black plastic(outer cover, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	X
(20)	Black plastic with adhesive(sticker, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(21)	Silvery solder(speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(22)	Silvery metal(contact chip, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(23)	Black plastic(frame, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(24)	Black plastic with silvery metal(film, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(25)	Clear plastic(film, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(26)	Coppery metal(coil, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(27)	Silvery metal(slice, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	---

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(28)	Silvery magnet(slice, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(29)	Silvery metal(base, speaker, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(30)	Silvery metal(rotor, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(31)	Silvery metal(pole, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(32)	Silvery metal(cover, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(33)	Silvery solder(contact chip, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(34)	Black plastic(base, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(35)	Silvery metal(contact chip, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(36)	Silvery metal(brush, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(37)	Black magnet(inner cover, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(38)	Silvery metal(inner clip, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(39)	White plastic(inner holder, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(40)	Black plastic(inner coil holder, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(41)	Coppery metal(coil, motor, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(42)	Silvery metal(motor holder, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(43)	Off-white plastic(cover, big socket, PCB, M5StopWatch) [1]	BL	BL	BL	BL	BL
(44)	Silvery metal(pin, big socket, PCB, M5StopWatch) [1]	BL	BL	BL	BL	---
(45)	Silvery metal(stator, big socket, PCB, M5StopWatch) [1]	BL	BL	BL	BL	---
(46)*	Black plastic(pin holder, connector, PCB, M5StopWatch) [1]	BL	BL	BL	BL	X
(47)	Golden plated silvery metal(pin, connector, PCB, M5StopWatch) [1]	BL	BL	BL	BL	---
(48)	Silvery metal(cover, Type-c socket, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(49)	Black plastic(pin holder, Type-c socket, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(50)	Golden metal(pin, Type-c socket, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(51)	Silvery metal(inner slice, Type-c socket, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(52)	Off-white plastic(cover, small socket, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(53)	Silvery metal(pin, small socket, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(54)	Silvery metal(stator, small socket, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(55)	Golden metal(nut, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(56)	Silvery metal(cover, big button switch, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(57)	Black plastic(button, big button switch, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(58)	Silvery metal(clips, big button switch, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(59)	Black plastic(contact chip holder, big button switch, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(60)	Silvery metal(contact chip, big button switch, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(61)	Yellow plastic with adhesive(sticker, small button switch, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(62)	Silvery metal(cover, small button switch, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(63)	Black plastic(button, small button switch, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(64)	Silvery metal(clips, small button switch, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(65)	Black plastic(contact chip holder, small button switch, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(66)	Silvery metal(contact chip, small button switch, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(67)	Black plastic(cover, FPC socket, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(68)	Gray plastic(pin holder, FPC socket, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(69)	Silvery metal(pin, FPC socket, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(70)	Silvery metal(stator, FPC socket, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(71)	Red printed silvery body(capacitor, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(72)	Black body(SMD MIC, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(73)	Black body(big square IC, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(74)	Black body(middle square IC, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(75)	Black body(small square IC, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(76)	Black body(big rectangle IC, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(77)	Black body(middle rectangle IC, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(78)	Black body(small rectangle IC, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(79)	Black body(mini rectangle IC, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(80)	Silvery body(big SMD crystal oscillator, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(81)	Silvery body(small SMD crystal oscillator, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(82)	Black body(big SMD triode, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(83)	Black body(small SMD triode, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(84)	Black/white body(SMD resistor, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(85)	Black body(SMD resistor, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(86)	Black body(SMD inductor, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(87)	Brown body(SMD capacitor, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(88)	Gray body(SMD capacitor, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(89)	Blue body(SMD EC, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(90)*	White printed black coated beige plastic with coppery metal(PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	X
(91)	Silvery solder(SMT, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(92)	Silvery solder(THT, PCB, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(93)	White printed brown plastic with coppery metal(FPC3, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(94)	White printed black plastic(reinforcing plate, FPC3, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(95)	Yellow plastic with adhesive(sticker, FPC2, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(96)	Clear dry glue(FPC2, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(97)	Black body(IC, FPC2, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(98)	Black body(SMD diode, FPC2, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(99)	Brown body(SMD capacitor, FPC2, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(100)	White/black printed brown plastic with coppery metal(FPC2, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(101)	Silvery metal(reinforcing plate, FPC2, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(102)	White printed brown plastic(reinforcing plate, FPC2, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(103)	Black plastic(cover, big socket, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(104)	Gray plastic(pin holder, big socket, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(105)	Silvery metal(pin, big socket, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(106)	Silvery metal(stator, big socket, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(107)	Black plastic(cover, small socket, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(108)	Gray plastic(pin holder, small socket, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(109)	Silvery metal(pin, small socket, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(110)	Silvery metal(stator, small socket, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(111)	Yellow clear plastic with adhesive(sticker, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(112)	Black body(IC, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(113)	Black body(SMD inductor, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(114)	Black body(SMD diode, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(115)	Black body(SMD resistor, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(116)	Brown body(SMD capacitor, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(117)	Black/white printed brown plastic with coppery metal(FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(118)	Silvery solder(SMT, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(119)	Silvery solder(THT, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(120)	Silvery metal(reinforcing plate, THT, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(121)	Clear double faced adhesive tape(sticker, reinforcing plate, THT, FPC1, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(122)	Black plastic with adhesive(sticker, screen, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(123)	Silvery plated clear glass(screen, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(124)	Black clear glass with glue(screen, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(125)	Black/white coated clear glass(cover, screen, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(126)	White plastic(cover, plug, connecting line, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(127)	Silvery metal(pin, plug, connecting line, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(128)	Black soft plastic(wire jacket, connecting line, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(129)	Red soft plastic(wire jacket, connecting line, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(130)	Silvery metal(inner wire, connecting line, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(131)	Yellow plastic with adhesive(tape, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(132)	Clear double faced adhesive tape(tape, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(133)	Black body(IC, PCB, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(134)	Black/white body(SMD resistor, PCB, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(135)	Brown body(SMD capacitor, PCB, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	BL
(136)*	White printed black plastic with coppery metal(PCB, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	X
(137)	Silvery solder(SMT, PCB, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(138)	Silvery solder(cable welding, PCB, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(139)	Silvery metal(contact point, PCB, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	---
(140)	Silvery metal(contact chip, battery, M5StopWatch) [1][2]	BL	BL	BL	BL	---

Note:

[1]Black; [2]White

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	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 70 - 3\sigma < X < 130 + 3\sigma \leq OL$	$BL \leq 50 - 3\sigma < X < 150 + 3\sigma \leq OL$
Pb	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Hg	mg/kg	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 700 - 3\sigma < X < 1300 + 3\sigma \leq OL$	$BL \leq 500 - 3\sigma < X < 1500 + 3\sigma \leq OL$
Cr	mg/kg	$BL \leq 700 - 3\sigma < X$	$BL \leq 700 - 3\sigma < X$	$BL \leq 500 - 3\sigma < X$
Br	mg/kg	$BL \leq 300 - 3\sigma < X$	--	$BL \leq 250 - 3\sigma < X$

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:

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	RL	Result				Limit
			(19)	(46)	(90)	(136)	
Monobromobiphenyl (MonoBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Dibromobiphenyl (DiBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Tribromobiphenyl (TriBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Tetrabromobiphenyl (TetraBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Pentabromobiphenyl (PentaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Hexabromobiphenyl (HexaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Heptabromobiphenyl (HeptaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Octabromobiphenyl (OctaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Nonabromobiphenyl (NonaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Decabromobiphenyl (DecaBB)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Monobromodiphenyl ether (MonoBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Dibromodiphenyl ether (DiBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Tribromodiphenyl ether (TriBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Tetrabromodiphenyl ether (TetraBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Pentabromodiphenyl ether (PentaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Hexabromodiphenyl ether (HexaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Heptabromodiphenyl ether (HeptaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Octabromodiphenyl ether (OctaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Nonabromodiphenyl ether (NonaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-
Decabromodiphenyl ether (DecaBDE)	mg/kg	50	N.D.	N.D.	N.D.	N.D.	-

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Item	Unit	RL	Result				Limit
			(19)	(46)	(90)	(136)	
sum of MonoBDE, DiBDE, TriBDE, TetraBDE, PentaBDE, HexaBDE, HeptaBDE, OctaBDE, NonaBDE, DecaBDE	mg/kg	-	N.D.	N.D.	N.D.	N.D.	1000
sum of MonoBB, DiBB, TriBB, TetraBB, PentaBB, HexaBB, HeptaBB, OctaBB, NonaBB, DecaBB	mg/kg	-	N.D.	N.D.	N.D.	N.D.	1000
Conclusion	/	/	Pass	Pass	Pass	Pass	/

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

Test method: IEC 62321-8:2017

Item	Unit	RL	Result						Limit
			(3)+(4)	(5)+(96)	(6)+(9)+(10)	(7)+(8)	(11)+(23)+(25)	(13)+(14)	
Dibutyl Phthalate(DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	299	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.	60	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	RL	Result						Limit
			(17)	(18)+(20)+(61)	(19)+(43)+(46)	(34)+(39)+(40)	(49)+(52)+(57)	(59)+(63)+(65)	
Dibutyl Phthalate(DBP)	mg/kg	30	229	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	53	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	RL	Result						Limit
			(67)+(68)+(94)	(71)+(72)+(73)	(74)+(75)+(76)	(77)+(78)+(79)	(80)+(81)+(82)	(83)+(84)+(85)	
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	RL	Result						Limit
			(86)+(87)+(88)	(89)+(97)+(98)	(90)+(136)	(93)+(100)+(117)	(95)+(111)+(121)	(99)+(112)+(113)	
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	RL	Result						Limit
			(102)+(103)+(104)	(107)+(108)+(126)	(114)+(115)+(116)	(122)	(124)	(125)	
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	RL	Result					Limit
			(128)+(129)	(131)	(132)	(133)+(134)+(135)	(24)	
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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Note:

- N.D. = Not Detected or less than RL

- RL = Report Limit

- mg/kg = ppm

- "+" = Mixed, The admixture of specimen is tested as a whole(part) which according to the applicant's request, the result of report as average value because of the whole specimen is regarded as constituting from the homogeneous material. If the testing of specimen may have the obvious difference, and the result may exceed the number in this report. The applicant will undertake all differences and risk.

- The results less than RL are not taken into account while calculating the sum contents.

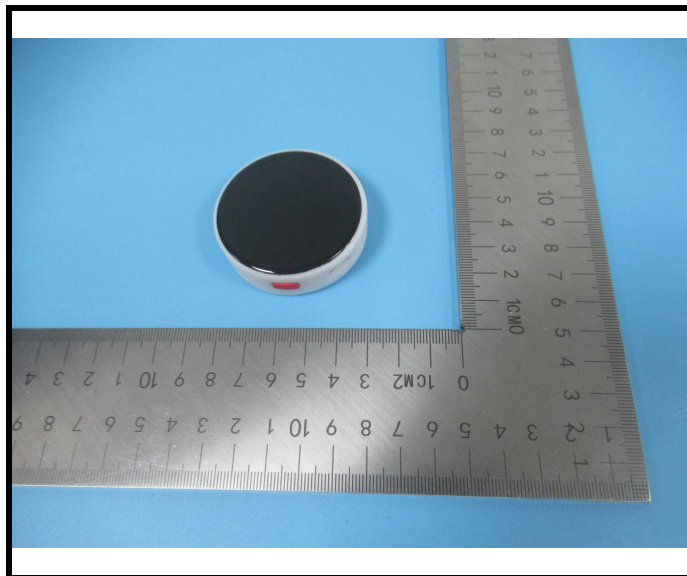
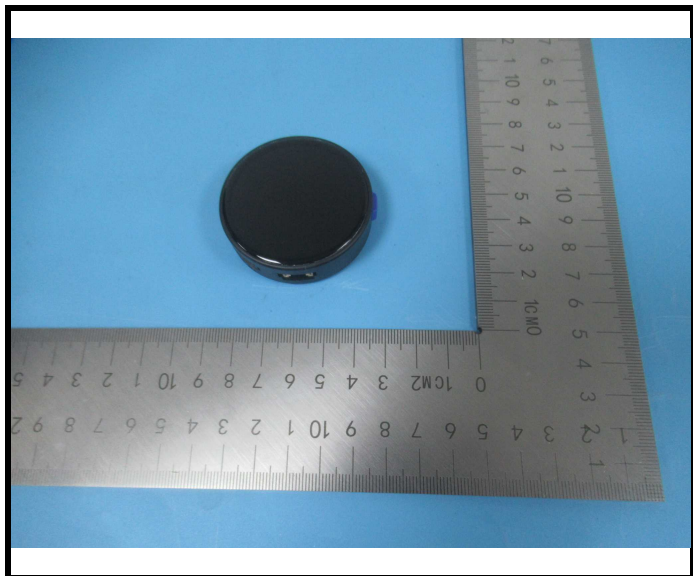
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Photograph of Sample



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.
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- 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 ***