



TEST REPORT

Report No.: **SZ4230506-24428E**

Date: July 10, 2023

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Therabody, Inc.
6100 Wilshire Blvd. Suite 200 Los Angeles, CA 90048-5107, USA

Report on the submitted samples said to be:

Sample Description:	Theragun Relief
Style/Item No.:	Theragun Relief
Sample Receiving Date:	May 08,2023
Lately Re-submit Date:	May 22,2023
Testing Period:	May 08,2023 - May 25,2023
Result:	Please refer to next page(s).

Signed for and on behalf of

BACL

Queenie Lee

Len Xie

Checked by: _____
Queenie Lee

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 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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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)	Blue coating(power button, massager) [1]	BL	BL	BL	BL	BL
(2)	Blue lubricating oil(telescopic rod/shell, massager) [1][2]	BL	BL	BL	BL	BL
(3)	Clear plastic(power button, massager) [1][2]	BL	BL	BL	BL	BL
(4)	Black plastic(head, massager) [1][2]	BL	BL	BL	BL	BL
(5)	Blue plastic(fastening cap, shell, massager) [1]	BL	BL	BL	BL	BL
(6)	Blue plastic(shell/handle, massager) [1]	BL	BL	BL	BL	BL
(7)	Blue plastic(cap, shell, massager) [1]	BL	BL	BL	BL	BL
(8)	Black plastic(buckle, detachable massage head) [1][2]	BL	BL	BL	BL	BL
(9)	Black EVA(cover, detachable massage head) [1][2]	BL	BL	BL	BL	BL
(10)	Black PVC(cable jacket, charging cable) [1][2]	BL	BL	BL	BL	BL
(11)	Black PVC(type-C plug holder, charging cable) [1][2]	BL	BL	BL	BL	BL
(12)	Black plastic(hook, velcro, charging cable) [1][2]	BL	BL	BL	BL	BL
(13)*	Silvery metal(steel ball, head, massager) [1][2]	BL	BL	BL	X	---
(14)*	Black plated silvery metal(screw, head, massager) [1][2]	BL	BL	BL	X	---
(15)	Black plated silvery metal(nut, head, massager) [1][2]	BL	BL	BL	BL	---
(16)	Black plated silvery metal(telescopic rod, massager) [1][2]	BL	BL	BL	BL	---
(17)*	Silvery metal(cover, type-C plug, charging cable) [1][2]	BL	BL	BL	X	---
(18)	Black fabric(loop, velcro, charging cable) [1][2]	BL	BL	BL	BL	BL
(19)	Silvery metal(iron wire, charging cable) [1][2]	BL	BL	BL	BL	---
(20)	Clear laminated silvery aluminum foil(shielding sleeve, charging cable) [1][2]	BL	BL	BL	BL	BL
(21)	Red plastic(wire jacket, charging cable) [1][2]	BL	BL	BL	BL	BL
(22)	White plastic(wire jacket, charging cable) [1][2]	BL	BL	BL	BL	BL
(23)	Blue plastic(wire jacket, charging cable) [1][2]	BL	BL	BL	BL	BL
(24)	Green plastic(wire jacket, charging cable) [1][2]	BL	BL	BL	BL	BL
(25)	Silvery metal(wire core, charging cable) [1][2]	BL	BL	BL	BL	---
(26)	Silvery metal(thin pin, type-C plug, charging cable) [1][2]	BL	BL	BL	BL	---
(27)	Silvery metal(thick pin, type-C plug, charging cable) [1][2]	BL	BL	BL	BL	---

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(28)	Black plastic(insulator, type-C plug, charging cable) [1][2]	BL	BL	BL	BL	BL
(29)	Translucent plastic(inner, type-C plug, charging cable) [1][2]	BL	BL	BL	BL	BL
(30)*	White printed blue coated beige plastic with coppery metal(PCB, type-C plug, charging cable) [1][2]	BL	BL	BL	BL	X
(31)	Silvery solder(PCB, type-C plug, charging cable) [1][2]	BL	BL	BL	BL	---
(32)	Brown body(SMD capacitor, type-C plug, charging cable) [1][2]	BL	BL	BL	BL	BL
(33)	Silvery metal(steel ball holder, head, massager) [1][2]	BL	BL	BL	BL	---
(34)	Silvery metal(spring, steel ball holder, head, massager) [1][2]	BL	BL	BL	BL	---
(35)	Silvery metal(dead ring, shell, massager) [1][2]	BL	BL	BL	BL	---
(36)	Silvery metal(screw, shell, massager) [1][2]	BL	BL	BL	BL	---
(37)	Clear plastic(light guide, shell, massager) [1][2]	BL	BL	BL	BL	BL
(38)	Black dry glue(shell, massager) [1][2]	BL	BL	BL	BL	BL
(39)	White paper with adhesive(tape, shell, massager) [1][2]	BL	BL	BL	BL	BL
(40)	Translucent soft plastic(pad, power button/motor holder, massager) [1][2]	BL	BL	BL	BL	BL
(41)	Black soft plastic(pad, fixed sleeve, telescopic rod, massager) [1][2]	BL	BL	BL	BL	BL
(42)	Black solid(fixed sleeve, telescopic rod, massager) [1][2]	BL	BL	BL	BL	BL
(43)	Black felt(washer, fixed sleeve, telescopic rod, massager) [1][2]	BL	BL	BL	BL	BL
(44)	Silvery metal(rocker, massager) [1][2]	BL	BL	BL	BL	---
(45)	Silvery metal(big screw, rocker, massager) [1][2]	BL	BL	BL	BL	---
(46)	Silvery metal(small screw, rocker, massager) [1][2]	BL	BL	BL	BL	---
(47)	Silvery metal(washer, small screw, rocker, massager) [1][2]	BL	BL	BL	BL	---
(48)	Silvery metal(inner ring, big bearing, rocker, massager) [1][2]	BL	BL	BL	BL	---
(49)	Silvery metal(outer ring, big bearing, rocker, massager) [1][2]	BL	BL	BL	BL	---
(50)	Silvery metal(cover, big bearing, rocker, massager) [1][2]	BL	BL	BL	BL	---
(51)	Silvery metal(steel ball, big bearing, rocker, massager) [1][2]	BL	BL	BL	BL	---
(52)	Silvery metal(steel ball holder, big bearing, rocker, massager) [1][2]	BL	BL	BL	BL	---
(53)	Translucent lubricating oil(big bearing, rocker, massager) [1][2]	BL	BL	BL	BL	BL
(54)	Clear lubricating oil(small bearing, rocker, massager) [1][2]	BL	BL	BL	BL	BL
(55)	Silvery metal(inner ring, small bearing, rocker, massager) [1][2]	BL	BL	BL	BL	---
(56)	Silvery metal(outer ring, small bearing, rocker, massager) [1][2]	BL	BL	BL	BL	---
(57)	Silvery metal(cover, small bearing, rocker, massager) [1][2]	BL	BL	BL	BL	---

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(58)	Silvery metal(steel ball, small bearing, rocker, massager) [1][2]	BL	BL	BL	BL	---
(59)	Silvery metal(steel ball holder, small bearing, rocker, massager) [1][2]	BL	BL	BL	BL	---
(60)	Silvery metal(motor holder, massager) [1][2]	BL	BL	BL	BL	---
(61)	Silvery metal(small screw, motor holder, massager) [1][2]	BL	BL	BL	BL	---
(62)	Silvery metal(big screw, motor holder, massager) [1][2]	BL	BL	BL	BL	---
(63)	Black plated silvery metal(washer, big screw, motor holder, massager) [1][2]	BL	BL	BL	BL	---
(64)	Translucent soft plastic(washer, big screw, motor holder, massager) [1][2]	BL	BL	BL	BL	BL
(65)	Silvery metal(eccentric gear, motor, massager) [1][2]	BL	BL	BL	BL	---
(66)	Silvery metal(screw, eccentric gear, motor, massager) [1][2]	BL	BL	BL	BL	---
(67)	Silvery metal(contact plate, cable plug, motor, massager) [1][2]	BL	BL	BL	BL	---
(68)	White plastic(cable plug, motor, massager) [1][2]	BL	BL	BL	BL	BL
(69)	Translucent dry glue(cable plug, motor, massager) [1][2]	BL	BL	BL	BL	BL
(70)	Black printed blue soft plastic(wire jacket, cable, motor, massager) [1][2]	BL	BL	BL	BL	BL
(71)	Black printed green soft plastic(wire jacket, cable, motor, massager) [1][2]	BL	BL	BL	BL	BL
(72)	Black printed yellow soft plastic(wire jacket, cable, motor, massager) [1][2]	BL	BL	BL	BL	BL
(73)	Silvery metal(wire core, cable, motor, massager) [1][2]	BL	BL	BL	BL	---
(74)	Silvery metal(case, motor, massager) [1][2]	BL	BL	BL	BL	---
(75)	Black magnet(case, motor, massager) [1][2]	BL	BL	BL	BL	BL
(76)	Silvery metal(shaft, motor, massager) [1][2]	BL	BL	BL	BL	---
(77)	Black plated silvery metal(clip, shaft, motor, massager) [1][2]	BL	BL	BL	BL	---
(78)	Silvery metal(screw, PCB, motor, massager) [1][2]	BL	BL	BL	BL	---
(79)	Silvery solder(PCB, motor, massager) [1][2]	BL	BL	BL	BL	---
(80)*	White printed black coated beige plastic with coppery metal(PCB, motor, massager) [1][2]	BL	BL	BL	BL	X
(81)	Beige dry glue(PCB, motor, massager) [1][2]	BL	BL	BL	BL	BL
(82)	Red dry glue(PCB, motor, massager) [1][2]	BL	BL	BL	BL	BL
(83)	White plastic(washer, PCB, motor, massager) [1][2]	BL	BL	BL	BL	BL
(84)	Silvery metal(bearing holder, motor, massager) [1][2]	BL	BL	BL	BL	---
(85)	Silvery metal(inner ring, bearing, motor, massager) [1][2]	BL	BL	BL	BL	---
(86)	Silvery metal(outer ring, bearing, motor, massager) [1][2]	BL	BL	BL	BL	---
(87)	Silvery metal(cover, bearing, motor, massager) [1][2]	BL	BL	BL	BL	---

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(88)	Silvery metal(steel ball, bearing, motor, massager) [1][2]	BL	BL	BL	BL	---
(89)	Brown plastic(steel ball holder, bearing, motor, massager) [1][2]	BL	BL	BL	BL	BL
(90)	Clear lubricating oil(bearing, motor, massager) [1][2]	BL	BL	BL	BL	BL
(91)	Green coated silvery metal(iron core, motor, massager) [1][2]	BL	BL	BL	BL	BL
(92)	Coppery metal(coil, motor, massager) [1][2]	BL	BL	BL	BL	---
(93)	Silvery metal(wire core, thick cable, battery, massager) [1][2]	BL	BL	BL	BL	---
(94)	Grey printed black soft plastic(wire jacket, thick cable, battery, massager) [1][2]	BL	BL	BL	BL	BL
(95)	Grey printed black plastic(heat shrink tubing, thick cable, battery, massager) [1][2]	BL	BL	BL	BL	BL
(96)	Black printed white soft plastic(wire jacket, medium cable, battery, massager) [1][2]	BL	BL	BL	BL	BL
(97)	Grey printed black soft plastic(wire jacket, medium cable, battery, massager) [1][2]	BL	BL	BL	BL	BL
(98)	Grey printed red soft plastic(wire jacket, medium cable, battery, massager) [1][2]	BL	BL	BL	BL	BL
(99)	Silvery metal(wire core, medium cable, battery, massager) [1][2]	BL	BL	BL	BL	---
(100)	Silvery metal(contact plate, big plug, medium cable, battery, massager) [1][2]	BL	BL	BL	BL	---
(101)	White plastic(big plug, medium cable, battery, massager) [1][2]	BL	BL	BL	BL	BL
(102)	Black plastic(small plug, thin cable, battery, massager) [1][2]	BL	BL	BL	BL	BL
(103)	Silvery metal(contact plate, small plug, thin cable, battery, massager) [1][2]	BL	BL	BL	BL	---
(104)	Silvery metal(wire core, thin cable, battery, massager) [1][2]	BL	BL	BL	BL	---
(105)	Red PVC(wire jacket, thin cable, battery, massager) [1][2]	BL	BL	BL	BL	BL
(106)	Black PVC(wire jacket, thin cable, battery, massager) [1][2]	BL	BL	BL	BL	BL
(107)	Grey printed black plastic(heat shrink tubing, thin cable, battery, massager) [1][2]	BL	BL	BL	BL	BL
(108)	Black body(big temperature sensor, battery, massager) [1][2]	BL	BL	BL	BL	BL
(109)	Black soft plastic(wire jacket, big temperature sensor, battery, massager) [1][2]	BL	BL	BL	BL	BL
(110)	Silvery metal(wire core, big temperature sensor, battery, massager) [1][2]	BL	BL	BL	BL	---
(111)	Black body(small temperature sensor, battery, massager) [1][2]	BL	BL	BL	BL	BL
(112)	Red coppery enameled wire(small temperature sensor, battery, massager) [1][2]	BL	BL	BL	BL	BL
(113)	Black printed white plastic with adhesive(label, outer sleeve, battery, massager) [1][2]	BL	BL	BL	BL	BL
(114)	Black PVC(outer sleeve, battery, massager) [1][2]	BL	BL	BL	BL	BL
(115)	Black printed green plastic(inner sleeve, battery, massager) [1][2]	BL	BL	BL	BL	BL
(116)	Black plastic(battery holder, massager) [1][2]	BL	BL	BL	BL	BL

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(117)	Clear plastic with adhesive(double sided tape, battery holder, massager) [1][2]	BL	BL	BL	BL	BL
(118)	Yellow plastic with adhesive(tape, battery, massager) [1][2]	BL	BL	BL	BL	BL
(119)	Black EVA with adhesive(pad, battery, massager) [1][2]	BL	BL	BL	BL	BL
(120)	Green paper with adhesive(pad, battery, massager) [1][2]	BL	BL	BL	BL	BL
(121)	Translucent white plastic(washer, battery, massager) [1][2]	BL	BL	BL	BL	BL
(122)	Silvery solder(contact plate, battery, massager) [1][2]	BL	BL	BL	BL	---
(123)	Silvery metal(contact plate, battery, massager) [1][2]	BL	BL	BL	BL	---
(124)	Silvery solder(PCB, battery, massager) [1][2]	BL	BL	BL	BL	---
(125)*	White printed green coated beige plastic with coppery metal(PCB, battery, massager) [1][2]	BL	BL	BL	BL	X
(126)	Clear dry glue(PCB, battery, massager) [1][2]	BL	BL	BL	BL	BL
(127)	White dry glue(PCB, battery, massager) [1][2]	BL	BL	BL	BL	BL
(128)	Black body(big IC, PCB, battery, massager) [1][2]	BL	BL	BL	BL	BL
(129)	Black body(small IC, PCB, battery, massager) [1][2]	BL	BL	BL	BL	BL
(130)	Black body(SMD diode, PCB, battery, massager) [1][2]	BL	BL	BL	BL	BL
(131)	White/black body(SMD fuse, PCB, battery, massager) [1][2]	BL	BL	BL	BL	BL
(132)	Black/white body(big SMD resistor, PCB, battery, massager) [1][2]	BL	BL	BL	BL	BL
(133)	Black body(small SMD resistor, PCB, battery, massager) [1][2]	BL	BL	BL	BL	BL
(134)	Brown body(SMD capacitor, PCB, battery, massager) [1][2]	BL	BL	BL	BL	BL
(135)	Silvery metal(contact plate, connecting cable plug, charging PCB, massager) [1][2]	BL	BL	BL	BL	---
(136)	White plastic(connecting cable plug, charging PCB, massager) [1][2]	BL	BL	BL	BL	BL
(137)	Black printed white plastic(wire jacket, connecting cable, charging PCB, massager) [1][2]	BL	BL	BL	BL	BL
(138)	Black printed yellow plastic(wire jacket, connecting cable, charging PCB, massager) [1][2]	BL	BL	BL	BL	BL
(139)	Black printed red plastic(wire jacket, connecting cable, charging PCB, massager) [1][2]	BL	BL	BL	BL	BL
(140)	Black printed green plastic(wire jacket, connecting cable, charging PCB, massager) [1][2]	BL	BL	BL	BL	BL
(141)	Silvery metal(wire core, connecting cable, charging PCB, massager) [1][2]	BL	BL	BL	BL	---
(142)	Silvery metal(screw, charging PCB, massager) [1][2]	BL	BL	BL	BL	---
(143)	Silvery solder(charging PCB, massager) [1][2]	BL	BL	BL	BL	---
(144)*	White printed green coated beige plastic with coppery metal(charging PCB, massager) [1][2]	BL	BL	BL	BL	X

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(145)	Black plastic(insulator, type-C socket, charging PCB, massager) [1][2]	BL	BL	BL	BL	BL
(146)	Silvery metal(cover, type-C socket, charging PCB, massager) [1][2]	BL	BL	BL	BL	---
(147)	Silvery metal(pin, type-C socket, charging PCB, massager) [1][2]	BL	BL	BL	BL	---
(148)	Black plastic(big IC, charging PCB, massager) [1][2]	BL	BL	BL	BL	BL
(149)	Black plastic(small IC, charging PCB, massager) [1][2]	BL	BL	BL	BL	BL
(150)	Green/white body(SMD fuse, charging PCB, massager) [1][2]	BL	BL	BL	BL	BL
(151)	Black/white body(SMD resistor, charging PCB, massager) [1][2]	BL	BL	BL	BL	BL
(152)	Brown body(SMD capacitor, charging PCB, massager) [1][2]	BL	BL	BL	BL	BL
(153)	Silvery solder(main PCB, massager) [1][2]	BL	BL	BL	BL	---
(154)*	White printed green coated beige plastic with coppery metal(main PCB, massager) [1][2]	BL	BL	BL	BL	X
(155)	Black EVA with adhesive(pad, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(156)	Yellow dry glue(main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(157)	Beige plastic(button, switch, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(158)	Yellow plastic with adhesive(tape, switch, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(159)	Black plastic(base, switch, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(160)	Silvery metal(cover, switch, main PCB, massager) [1][2]	BL	BL	BL	BL	---
(161)	Silvery metal(metal dome, switch, main PCB, massager) [1][2]	BL	BL	BL	BL	---
(162)	Silvery metal(contact plate, switch, main PCB, massager) [1][2]	BL	BL	BL	BL	---
(163)	Silvery metal(pin, big socket, main PCB, massager) [1][2]	BL	BL	BL	BL	---
(164)	Dark white plastic(big socket, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(165)	Dark white plastic(medium socket, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(166)	Silvery metal(pin, medium socket, main PCB, massager) [1][2]	BL	BL	BL	BL	---
(167)	Silvery metal(pin, small socket, main PCB, massager) [1][2]	BL	BL	BL	BL	---
(168)	Dark white plastic(small socket, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(169)	Golden printed green plastic(sleeve, capacitor, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(170)	Silvery body(capacitor, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(171)	Silvery metal(pin, main PCB, massager) [1][2]	BL	BL	BL	BL	---
(172)	Black body(IC "U1" , main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(173)	Black body(IC "U3" , main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(174)	Black body(IC "U4" , main PCB, massager) [1][2]	BL	BL	BL	BL	BL

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(175)	Black body(IC "U5/U6/U7" , main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(176)	Clear/white body(big SMD LED, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(177)	Yellow body(small SMD LED, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(178)	Black body(big SMD triode, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(179)	Black body(small SMD triode, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(180)	Black body(big SMD diode, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(181)	Black body(small SMD diode, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(182)	Black printed grey body(SMD inductor, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(183)	Black/white body(big SMD resistor, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(184)	Black/white body(small SMD resistor, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(185)	Brown body(SMD capacitor, main PCB, massager) [1][2]	BL	BL	BL	BL	BL
(186)	Blue soft plastic(stopper, massager) [1]	BL	BL	BL	BL	BL
(187)	Khaki soft plastic(stopper, massager) [2]	BL	BL	BL	BL	BL
(188)	Khaki coating(power button, massager) [2]	BL	BL	BL	BL	BL
(189)	Khaki plastic(fastening cap, shell, massager) [2]	BL	BL	BL	BL	BL
(190)	Khaki plastic(shell/handle, massager) [2]	BL	BL	BL	BL	BL
(191)	Khaki plastic(cap, shell, massager) [2]	BL	BL	BL	BL	BL
(192)	Silvery metal(contact plate, cable plug, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(193)	White plastic(cable plug, spare motor, massager) [1][2]	BL	BL	BL	BL	BL
(194)	Black printed white soft plastic(wire jacket, cable, spare motor, massager) [1][2]	BL	BL	BL	BL	BL
(195)	Grey printed black soft plastic(wire jacket, cable, spare motor, massager) [1][2]	BL	BL	BL	BL	BL
(196)	Grey printed red soft plastic(wire jacket, cable, spare motor, massager) [1][2]	BL	BL	BL	BL	BL
(197)	Silvery metal(wire core, cable, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(198)	Silvery metal(case, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(199)	Black magnet(case, spare motor, massager) [1][2]	BL	BL	BL	BL	BL
(200)	Silvery metal(shaft, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(201)	Silvery metal(shaft holder, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(202)	Black plated silvery metal(clip, shaft, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(203)	Black plated silvery metal(washer, shaft, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(204)	Deep grey plastic(washer, shaft, spare motor, massager) [1][2]	BL	BL	BL	BL	BL
(205)	White dry glue(PCB, spare motor, massager) [1][2]	BL	BL	BL	BL	BL

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Seq No.	Tested Part(s)	Result				
		Pb	Cd	Hg	Cr	Br
(206)	Black dry glue(PCB, spare motor, massager) [1][2]	BL	BL	BL	BL	BL
(207)*	White plastic(pad, PCB, spare motor, massager) [1][2]	BL	BL	BL	BL	X
(208)*	White printed green coated beige plastic with coppery metal(PCB, spare motor, massager) [1][2]	BL	BL	BL	BL	X
(209)	Silvery solder(PCB, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(210)	Black plated silvery metal(screw, PCB, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(211)	Silvery metal(bearing holder, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(212)	Silvery metal(inner ring, bearing, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(213)	Silvery metal(outer ring, bearing, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(214)	Silvery metal(cover, bearing, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(215)	Silvery metal(steel ball, bearing, spare motor, massager) [1][2]	BL	BL	BL	BL	---
(216)	Brown plastic(steel ball holder, bearing, spare motor, massager) [1][2]	BL	BL	BL	BL	BL
(217)	Clear lubricating oil(bearing, spare motor, massager) [1][2]	BL	BL	BL	BL	BL
(218)	Green coated silvery metal(iron core, spare motor, massager) [1][2]	BL	BL	BL	BL	BL
(219)	Coppery metal(coil, spare motor, massager) [1][2]	BL	BL	BL	BL	---

Note:

[1]Blue; [2]Khaki

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 Chromium VI (CrVI) content

Chromium VI (CrVI) content(In metal)

Test method: IEC 62321-7-1:2015

Item	Unit	MDL	Result			Limit
			(13)	(14)	(17)	
hexavalent chromium(Cr VI)	µg/cm ²	0.10	N.D.	N.D.	N.D.	See Remark
Conclusion	/	/	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
			(30)	(80)	(125)	(144)	
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.	-

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Item	Unit	MDL	Result				Limit
			(30)	(80)	(125)	(144)	
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.	-
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	/

Item	Unit	MDL	Result			Limit
			(154)	(207)	(208)	
Monobromobiphenyl (MonoBB)	mg/kg	50	N.D.	N.D.	N.D.	-
Dibromobiphenyl (DiBB)	mg/kg	50	N.D.	N.D.	N.D.	-
Tribromobiphenyl (TriBB)	mg/kg	50	N.D.	N.D.	N.D.	-
Tetrabromobiphenyl (TetraBB)	mg/kg	50	N.D.	N.D.	N.D.	-
Pentabromobiphenyl (PentaBB)	mg/kg	50	N.D.	N.D.	N.D.	-
Hexabromobiphenyl (HexaBB)	mg/kg	50	N.D.	N.D.	N.D.	-
Heptabromobiphenyl (HeptaBB)	mg/kg	50	N.D.	N.D.	N.D.	-
Octabromobiphenyl (OctaBB)	mg/kg	50	N.D.	N.D.	N.D.	-
Nonabromobiphenyl (NonaBB)	mg/kg	50	N.D.	N.D.	N.D.	-
Decabromobiphenyl (DecaBB)	mg/kg	50	N.D.	N.D.	N.D.	-

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Item	Unit	MDL	Result			Limit
			(154)	(207)	(208)	
Monobromodiphenyl ether (MonoBDE)	mg/kg	50	N.D.	N.D.	N.D.	-
Dibromodiphenyl ether (DiBDE)	mg/kg	50	N.D.	N.D.	N.D.	-
Tribromodiphenyl ether (TriBDE)	mg/kg	50	N.D.	N.D.	N.D.	-
Tetrabromodiphenyl ether (TetraBDE)	mg/kg	50	N.D.	N.D.	N.D.	-
Pentabromodiphenyl ether (PentaBDE)	mg/kg	50	N.D.	N.D.	N.D.	-
Hexabromodiphenyl ether (HexaBDE)	mg/kg	50	N.D.	N.D.	N.D.	-
Heptabromodiphenyl ether (HeptaBDE)	mg/kg	50	N.D.	N.D.	N.D.	-
Octabromodiphenyl ether (OctaBDE)	mg/kg	50	N.D.	N.D.	N.D.	-
Nonabromodiphenyl ether (NonaBDE)	mg/kg	50	N.D.	N.D.	N.D.	-
Decabromodiphenyl ether (DecaBDE)	mg/kg	50	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	/

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

Test method: IEC 62321-8:2017

Item	Unit	MDL	Result						Limit
			(1)	(2)	(3)+(4)+(5)	(6)+(7)+(8)	(9)	(10)+(11)	
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.	48	1000

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Item	Unit	MDL	Result						Limit
			(1)	(2)	(3)+(4)+(5)	(6)+(7)+(8)	(9)	(10)+(11)	
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
			(12)	(20)+(28)+(30)	(21)+(22)	(23)+(24)	(29)+(41)+(64)	(37)+(38)+(39)	
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
			(40)+(53)+(54)	(68)+(69)+(80)	(70)+(71)+(72)	(81)+(82)+(83)	(89)+(90)+(91)	(94)+(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.	56	N.D.	N.D.	33	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
			(95)+(101)+(102)	(97)+(98)	(105)	(106)	(107)+(108)+(111)	(109)	
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
			(112)+(117) +(118)	(113)+(115) +(119)	(114)	(116)	(120)+(121) +(125)	(126)+(127) +(128)	
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.	103	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
			(129)+(130) +(131)	(136)+(144) +(145)	(137)+(138)	(139)+(140)	(148)+(149) +(150)	(154)+(155) +(156)	
Dibutyl Phthalate(DBP)	mg/kg	30	N.D.	N.D.	45	45	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
			(157)+(158) +(159)	(164)+(165) +(168)	(169)+(170) +(172)	(173)+(174) +(175)	(176)+(177) +(178)	(179)+(180) +(181)	
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
			(186)+(187)	(188)	(189)+(190)+(191)	(193)+(204)+(205)	
Dibutyl Phthalate(DBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/kg	30	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.	1000
Diisobutyl phthalate(DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	1000
Conclusion	/	/	Pass	Pass	Pass	Pass	/

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Item	Unit	MDL	Result				Limit
			(194)+(195)+(196)	(206)+(208)+(216)	(207)	(217)+(218)	
Dibutyl Phthalate(DBP)	mg/kg	30	98	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/kg	30	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.	1000
Diisobutyl phthalate(DIBP)	mg/kg	30	N.D.	N.D.	N.D.	N.D.	1000
Conclusion	/	/	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 ***