



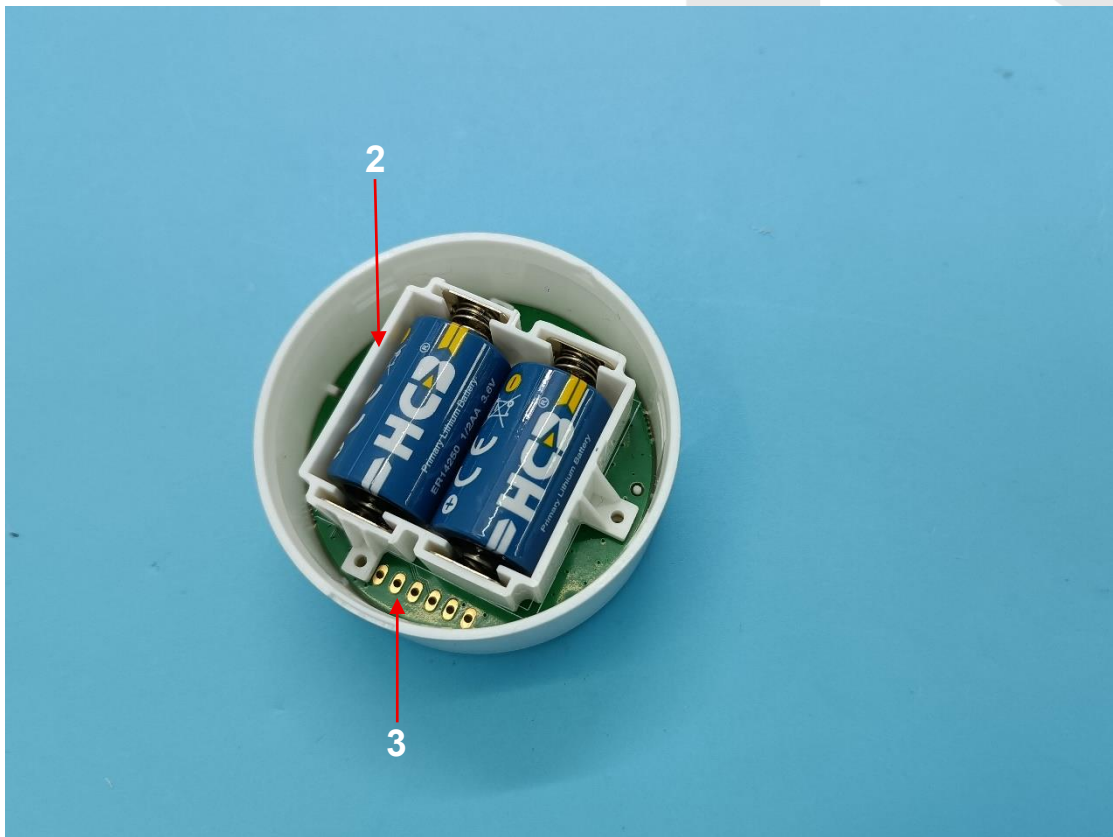
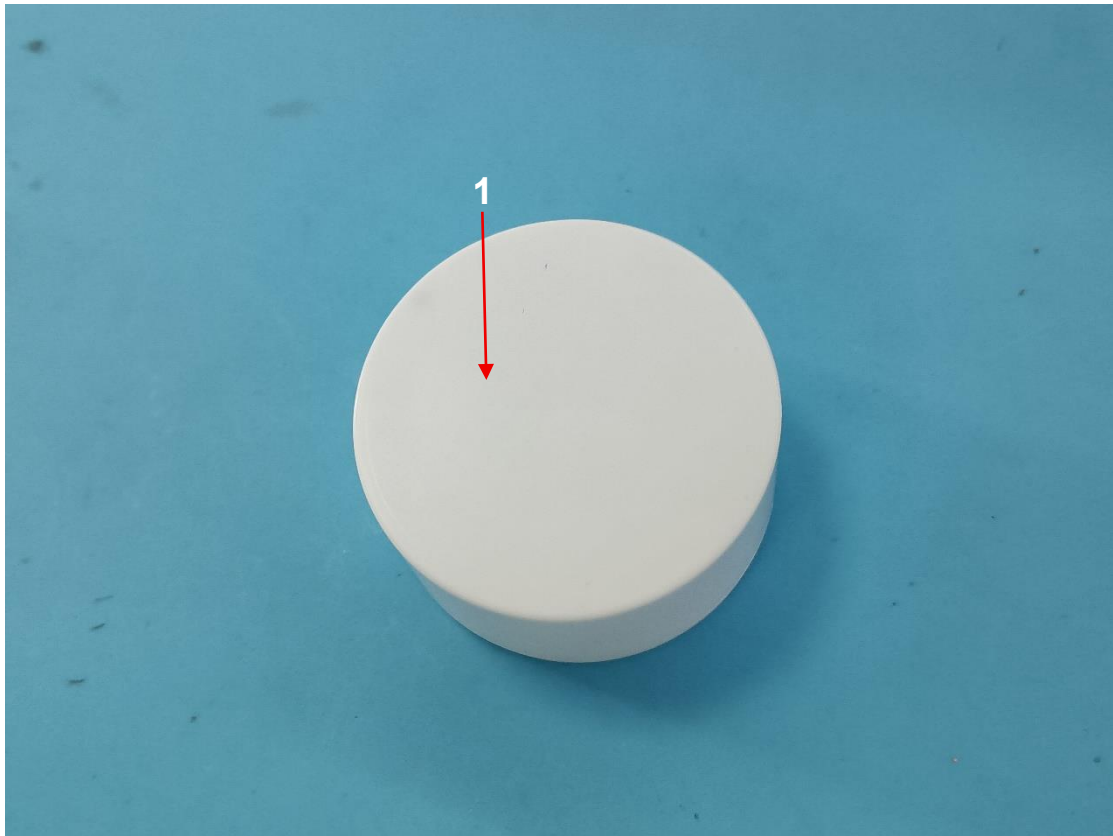
**1. Test Requested and Test Conclusion:**

Based on the performed tests on specified material(s) or submitted sample(s).

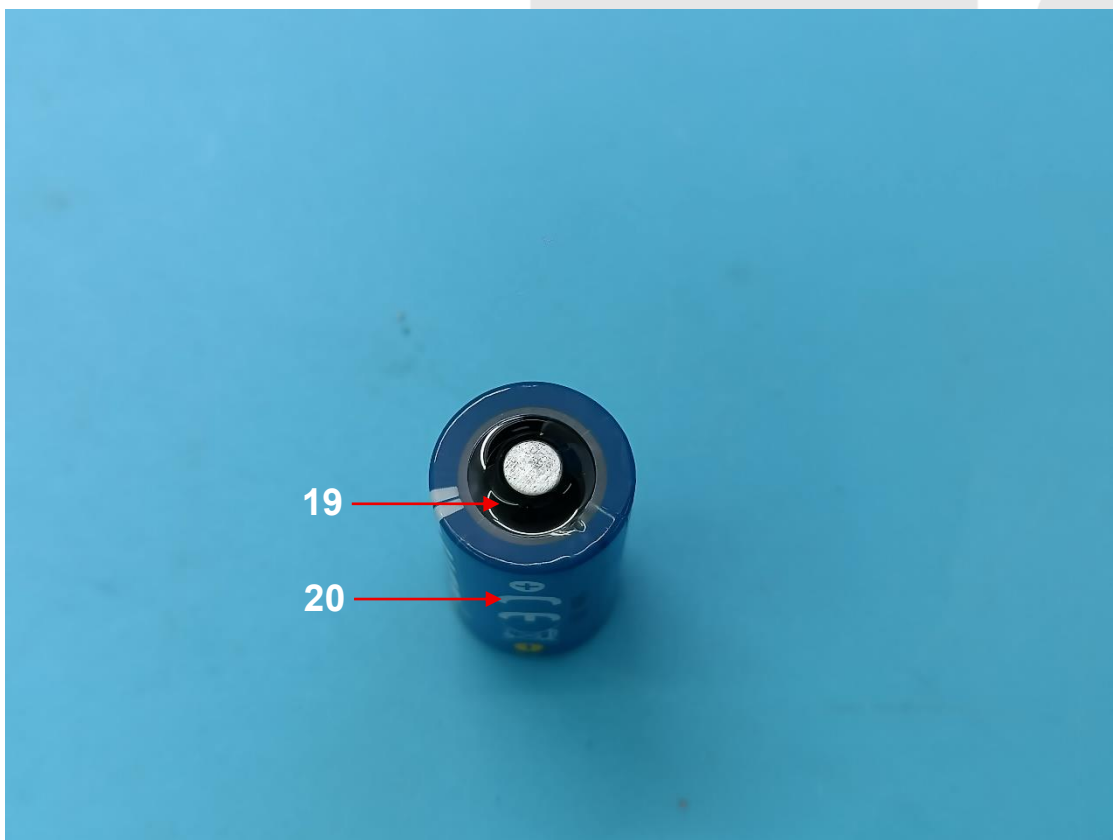
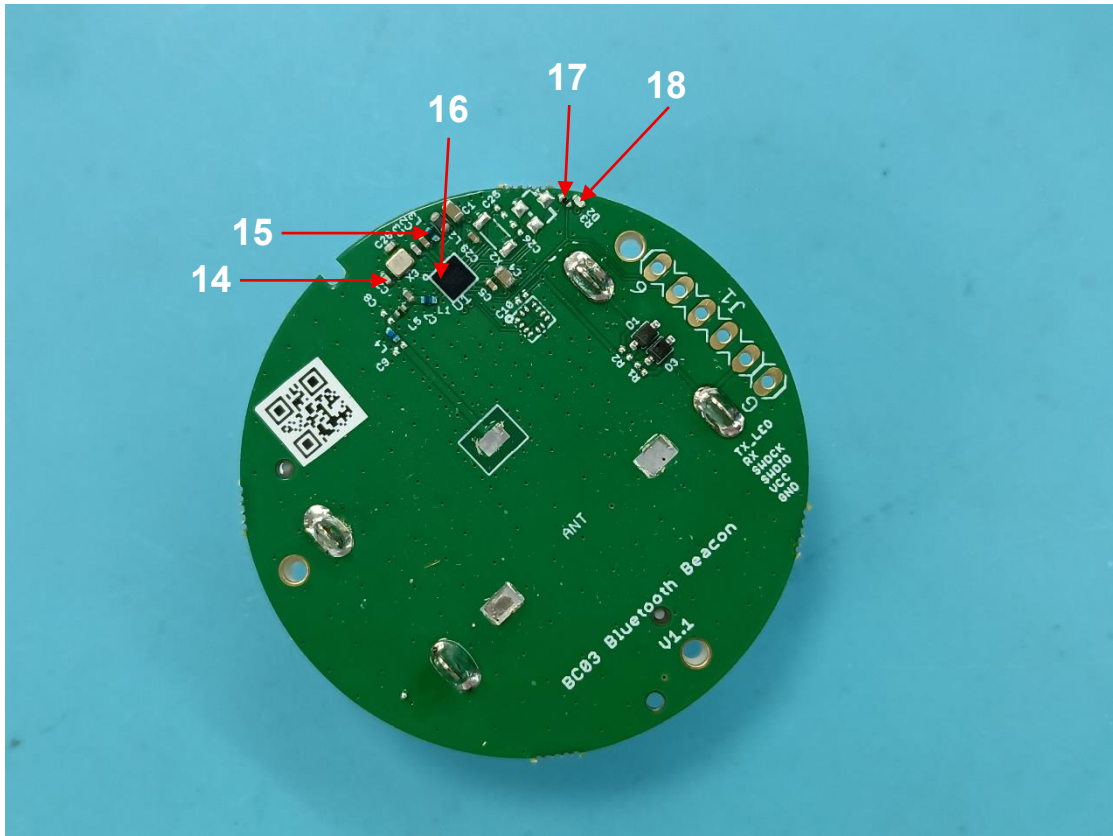
Test items	Conclusion
RoHS Directive 2011/65/EU Revised instructions (EU) 2015/863 of the European parliament and of the council on the restriction of the use of certain hazardous substances in electrical and electronic equipment	
- Lead (Pb)/ Cadmium(Cd)/ Mercury(Hg)/ Hexavalent Chromium(Cr <sup>6+</sup> ) content.	PASS
- Polybrominated biphenyls (PBBs) & Polybrominated diphenyl ethers (PBDEs) content.	PASS
- Di-(2-ethylhexyl) phthalate (DEHP), Dibutyl phthalate (DBP), Butyl benzyl phthalate (BBP), Diisobutyl phthalate (DIBP) content	PASS

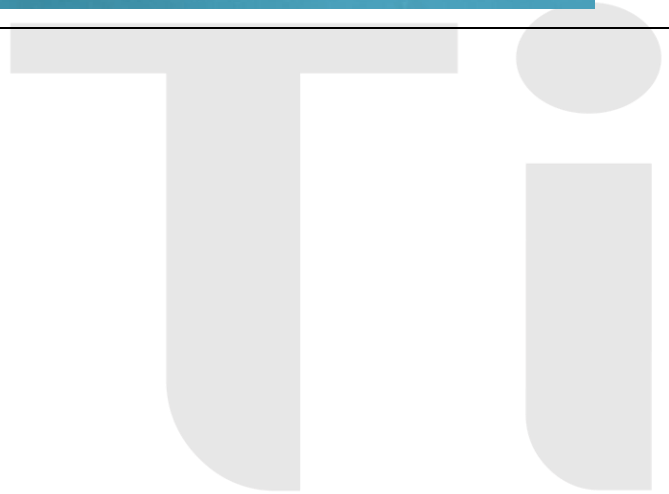


Sample photo list--A









Sample photo list--B



## 2. Sample description

Sample No.	Description
A1	White plastic
A2	White plastic
A3	Green PCB
A4	Silvery metal
A5	Silvery metal
A6	Silvery metal
A7	Silvery metal
A8	SMD crystal oscillator
A9	SMD inductor
A10	SMD capacitor
A11	Silvery metal
A12	SMD diode
A13	Soldering tin
A14	SMD capacitor
A15	SMD inductor
A16	SMD IC
A17	SMD resistor
A18	SMD LED
A19	Black glue
A20	Multicolor printing transparent plastic
A21	Silvery metal
B1	White printing red plastic
B2	Black foam with viscose

### 3. Test Result(s)

#### 3.1 Screening Test

Test Method: With reference to IEC 62321-3-1:2013, Screening –Lead (Pb)/ Cadmium(Cd)/ Mercury(Hg)/ Total Chromium(Cr)/ Total Bromine by X-ray fluorescence spectrometry.

Test Item	Total Chromium (Cr)	Cadmium (Cd)	Total Bromine (Br)	Mercury (Hg)	Lead (Pb)
Screening Limit	200mg/kg	50mg/kg	200mg/kg	200mg/kg	200mg/kg
Material No.	XRF Result				
A1	BL	BL	BL	BL	BL
A2	BL	BL	BL	BL	BL
A3	BL	BL	2949 <sup>a</sup>	BL	Inc <sup>a</sup>
A4	BL	BL	NA	BL	BL
A5	154167 <sup>a</sup>	BL	NA	BL	BL
A6	BL	BL	NA	BL	BL
A7	BL	Inc <sup>a</sup>	NA	BL	BL
A8	BL	BL	BL	BL	BL
A9	BL	BL	BL	BL	BL
A10	BL	BL	BL	BL	BL
A11	48091 <sup>a</sup>	BL	NA	BL	BL
A12	BL	BL	BL	BL	BL
A13	BL	BL	NA	Inc <sup>a</sup>	BL
A14	BL	BL	BL	BL	BL
A15	BL	BL	BL	BL	BL
A16	BL	BL	BL	BL	BL
A17	BL	BL	BL	BL	BL
A18	BL	BL	BL	BL	BL
A19	BL	BL	BL	BL	BL
A20	BL	BL	BL	BL	BL
A21	100731 <sup>a</sup>	BL	NA	BL	BL
B1	BL	BL	BL	BL	BL
B2	BL	BL	BL	BL	BL

- Note:
1. mg/kg = milligram per kilogram.
  2. "BL" = Below Screening Limit.
  3. "NA" = Not Applicable.
  4. "Inc" = Inconclusive.
  5. "a" denotes further confirmation test was conducted, results are listed in 3.2 and 3.3.

### 3.2 Heavy Metal Content

#### Test Method:

Lead (Pb)/Cadmium(Cd): IEC 62321-5:2013, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Mercury(Hg): IEC 62321-4:2013+AMD1:2017, analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Hexavalent Chromium(Cr<sup>6+</sup>): metal: IEC 62321-7-1:2015, nonmetal: IEC 62321-7-2:2017, analysis was performed by Ultraviolet-visible spectroscopy (UV-Vis).

Test Item	Hexavalent Chromium (Cr <sup>6+</sup> )	Hexavalent Chromium (Cr <sup>6+</sup> )	Cadmium (Cd)	Mercury (Hg)	Lead (Pb)
Limit	1000 mg/kg	Negative	100 mg/kg	1000 mg/kg	1000 mg/kg
Material No.	Result				
A3	--	--	--	--	N.D.
A5	NA	Negative	--	--	--
A7	--	--	N.D.	--	--
A11	NA	Negative	--	--	--
A13	--	--	--	N.D.	--
A21	NA	Negative	--	--	--

- Note:
1. RL (Report Limit) = Pb, Cd, Hg: 10mg/kg; Cr<sup>6+</sup>: nonmetal -10mg/kg, metal- Negative(<0.1µg/cm<sup>2</sup>).
  2. mg/kg = milligram per kilogram, µg/cm<sup>2</sup>= micrograms per square centimeter.
  3. N.D. = Not Detected (< RL).
  4. NA = Not Applicable.
  5. Negative = Surface of metal sample absence of Cr<sup>6+</sup>, Positive = Surface of metal sample presence of Cr<sup>6+</sup>.
  6. "--" denotes tested by XRF, result is listed in 3.1.

### 3.3 Polybrominated biphenyls (PBBs) & Polybrominated diphenyl ethers (PBDEs) Content

Test Method: IEC 62321-6:2015, analysis was performed by Gas Chromatograph-Mass Spectrometer (GC-MS).

Test Item	Limit (mg/kg)	RL (mg/kg)	Result(mg/kg)	
			A3	
<b>PBBs</b>	Monobromobiphenyl	--	5	N.D.
	Dibromobiphenyl	--	5	N.D.
	Tribromobiphenyl	--	5	N.D.
	Tetrabromobiphenyl	--	5	N.D.
	Pentabromobiphenyl	--	5	N.D.
	Hexabromobiphenyl	--	5	N.D.
	Heptabromobiphenyl	--	5	N.D.
	Octabromobiphenyl	--	5	N.D.
	Nonabromobiphenyl	--	5	N.D.
	Decabromobiphenyl	--	5	N.D.
	<b>Sum of detected PBBs</b>	1000	--	N.D.
<b>PBDEs</b>	Monobromodiphenylether	--	5	N.D.
	Dibromodiphenylether	--	5	N.D.
	Tribromodiphenylether	--	5	N.D.
	Tetrabromodiphenylether	--	5	N.D.
	Pentabromodiphenylether	--	5	N.D.
	Hexabromodiphenylether	--	5	N.D.
	Heptabromodiphenylether	--	5	N.D.
	Octabromodiphenylether	--	5	N.D.
	Nonabromodiphenylether	--	5	N.D.
	Decabromodiphenylether	--	5	N.D.
	<b>Sum of detected PBDEs</b>	1000	--	N.D.

- Note:
1. mg/kg = milligram per kilogram.
  2. RL = Report Limit
  3. N.D. = Not Detected (< RL).
  4. "--" = Not Applicable.

### 3.4 Phthalates Content

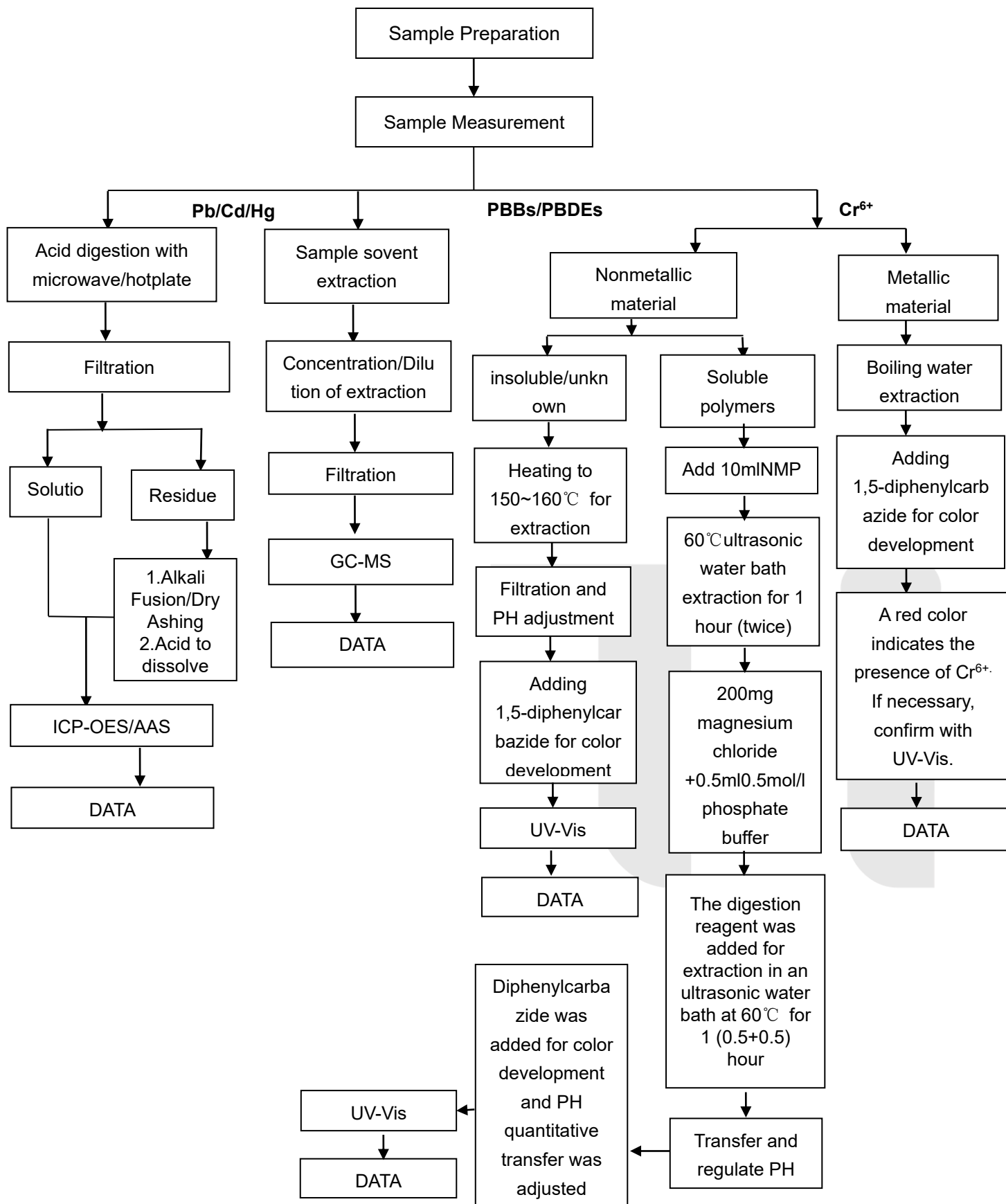
Test Method: IEC 62321-8:2017, analysis was performed by Gas Chromatograph-Mass Spectrometer (GC-MS).

Test Item	Di-(2-ethylhexyl) phthalate (DEHP)	Dibutyl phthalate (DBP)	Butyl benzyl phthalate (BBP)	Diisobutyl phthalate (DIBP)
<b>CAS No.</b>	117-81-7	84-74-2	85-68-7	84-69-5
<b>Limit</b>	1000 mg/kg	1000 mg/kg	1000 mg/kg	1000 mg/kg
<b>Material No.</b>	<b>Result (mg/kg)</b>			
A1+A2+A19	N.D.	N.D.	N.D.	N.D.
A20	N.D.	N.D.	N.D.	N.D.
A3	N.D.	N.D.	N.D.	N.D.
B1+B2	N.D.	N.D.	N.D.	N.D.

- Note:
1. mg/kg = milligram per kilogram
  2. Report Limit = 50mg/kg
  3. N.D. = Not Detected (< RL)



### RoHS Testing Flow Chart



### Phthalates Testing Flow Chart

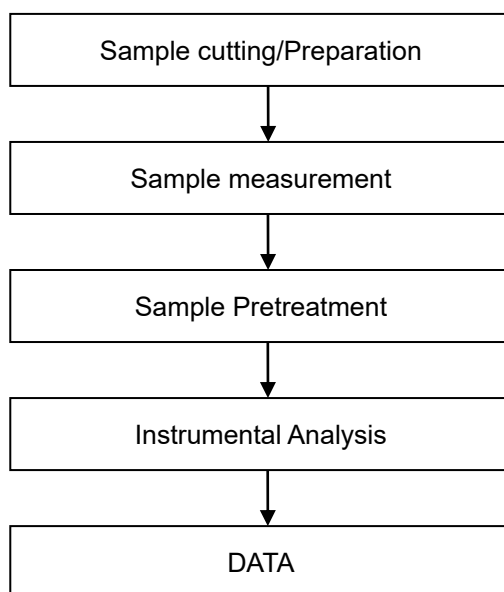
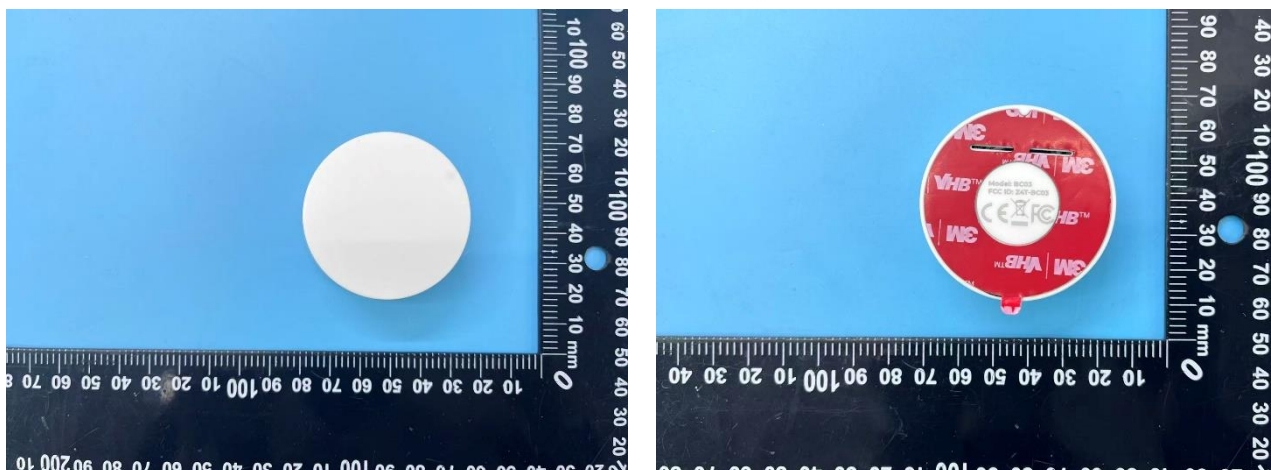


Photo of Sample



Remark: The test component <Part B > was provided by client for test on dated Mar.12,2026.

Statement

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\*\*\*End of Report\*\*\*

