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检测
TESTING
CNAS L11379

TEST REPORT

Company Name Shown on Report:	Seeed Technology Co.,Ltd.
Address:	9F,Building G3,TCL International E city,Shuguang Community,Xili street,Nanshan,Shenzhen, Guangdong Province, P.R.C

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name:	Wio-SX1262-1W
Sample Model:	Wio-SX1262-1W
Sample Received Date:	Jul.29, 2026
Test Period:	Jul.29, 2026 – Sept.24, 2026
Date of Issue:	Oct.08, 2026

ISSUED BY:
Guangdong Ti Cobo Testing Co., Ltd.

广东钛和科博检测技术有限公司 检验检测专用章 GUANGDONG TI COBO TESTING CO.,LTD

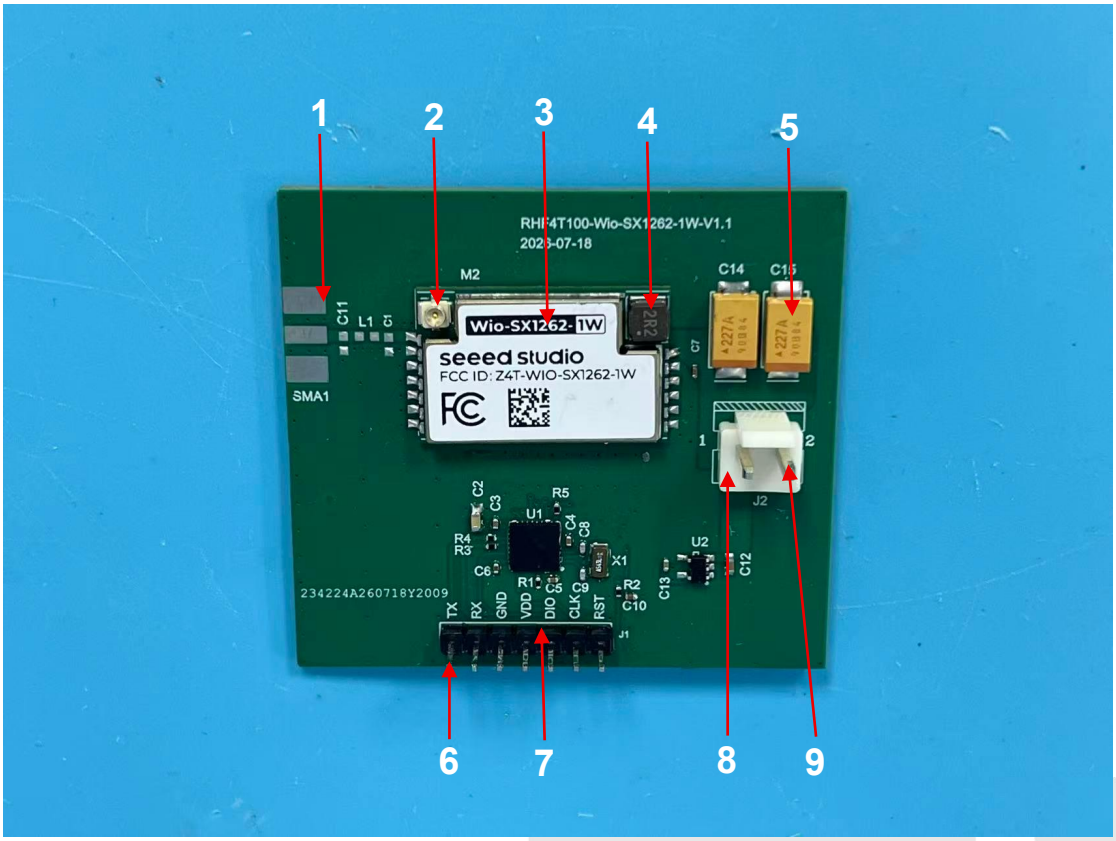
Editor: Judy **Checked by:** Cd lan **Approved by:** Sam Xie

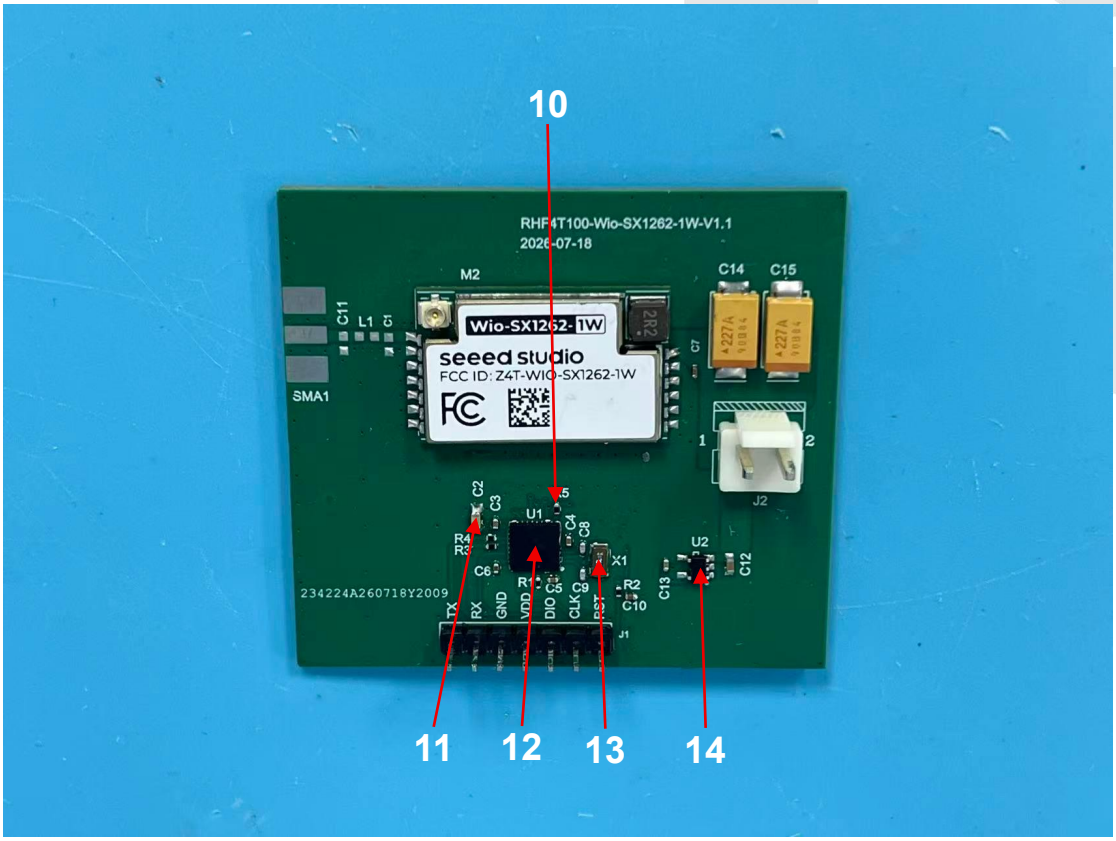
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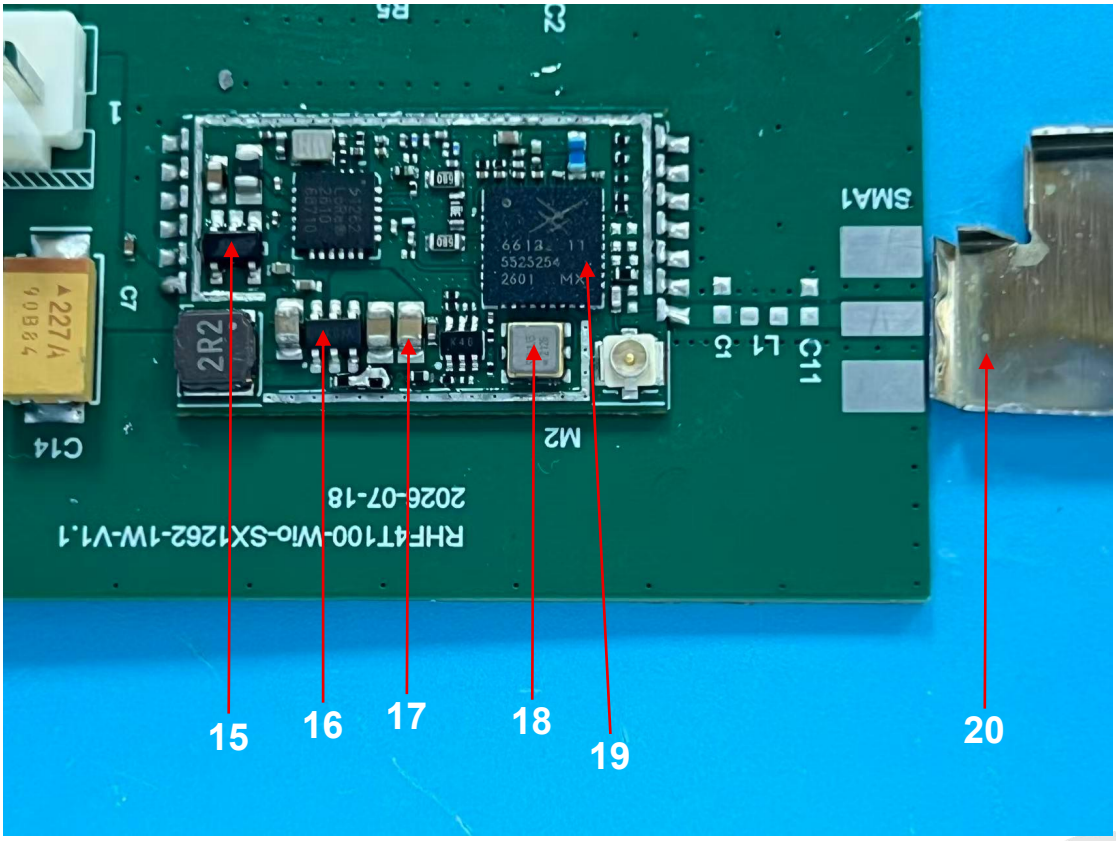
Based on the performed tests on submitted sample(s).

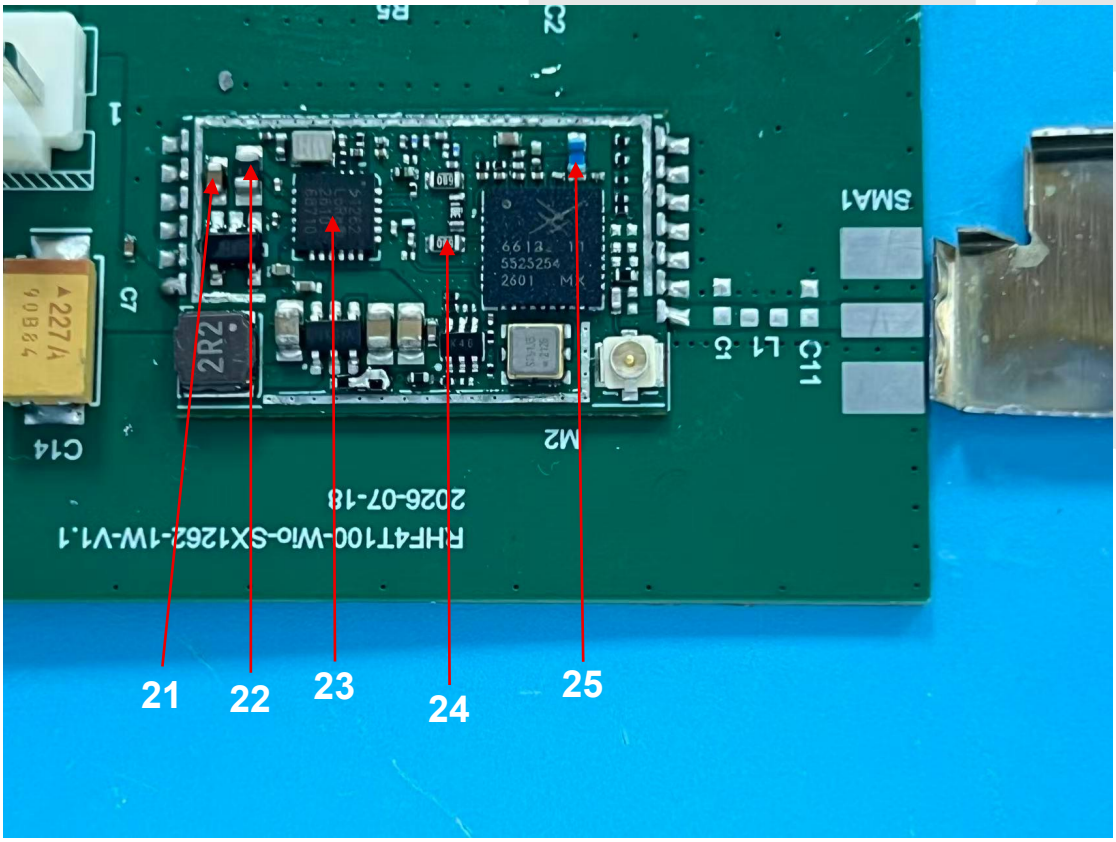
Test items	Conclusion
RoHS Directive 2011/65/EU Revised instructions (EU) 2015/863 of the European parliament and of the council on the restriction of the use of certain hazardous substances in electrical and electronic equipment	
– Lead (Pb)/ Cadmium(Cd)/ Mercury(Hg)/ Hexavalent Chromium(Cr^{6+}) content.	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

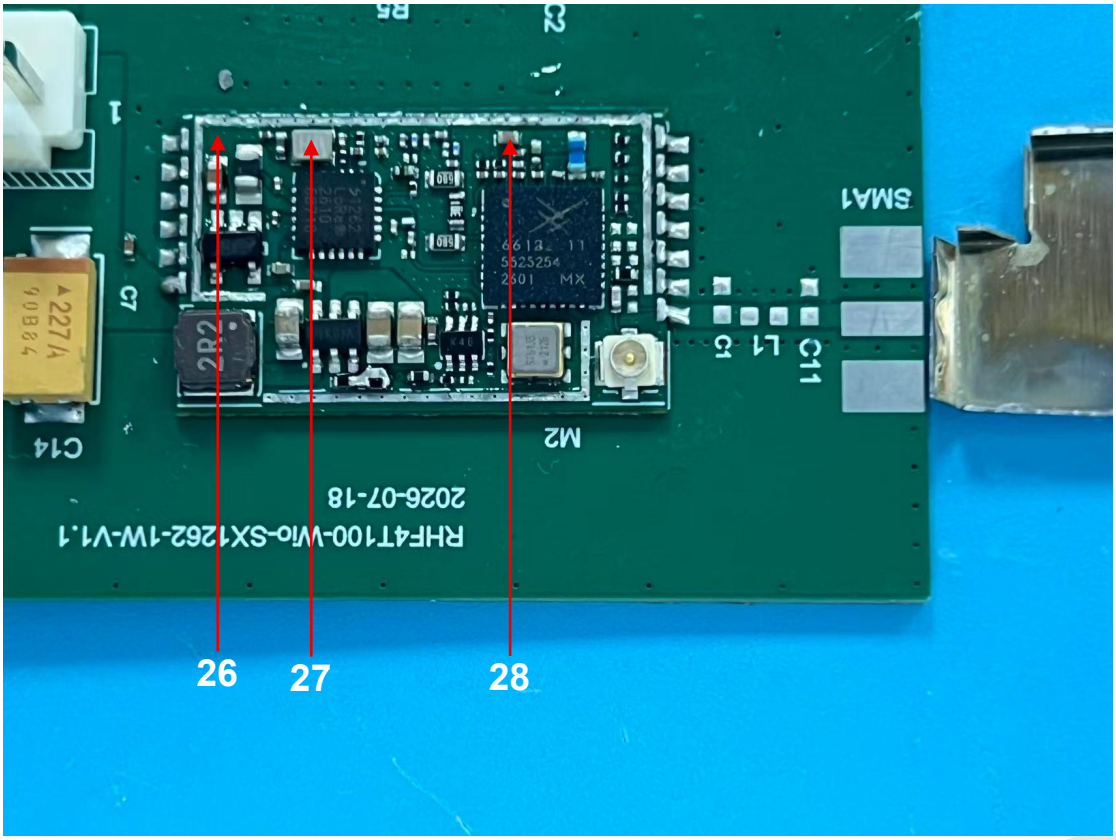
Sample photo list--A



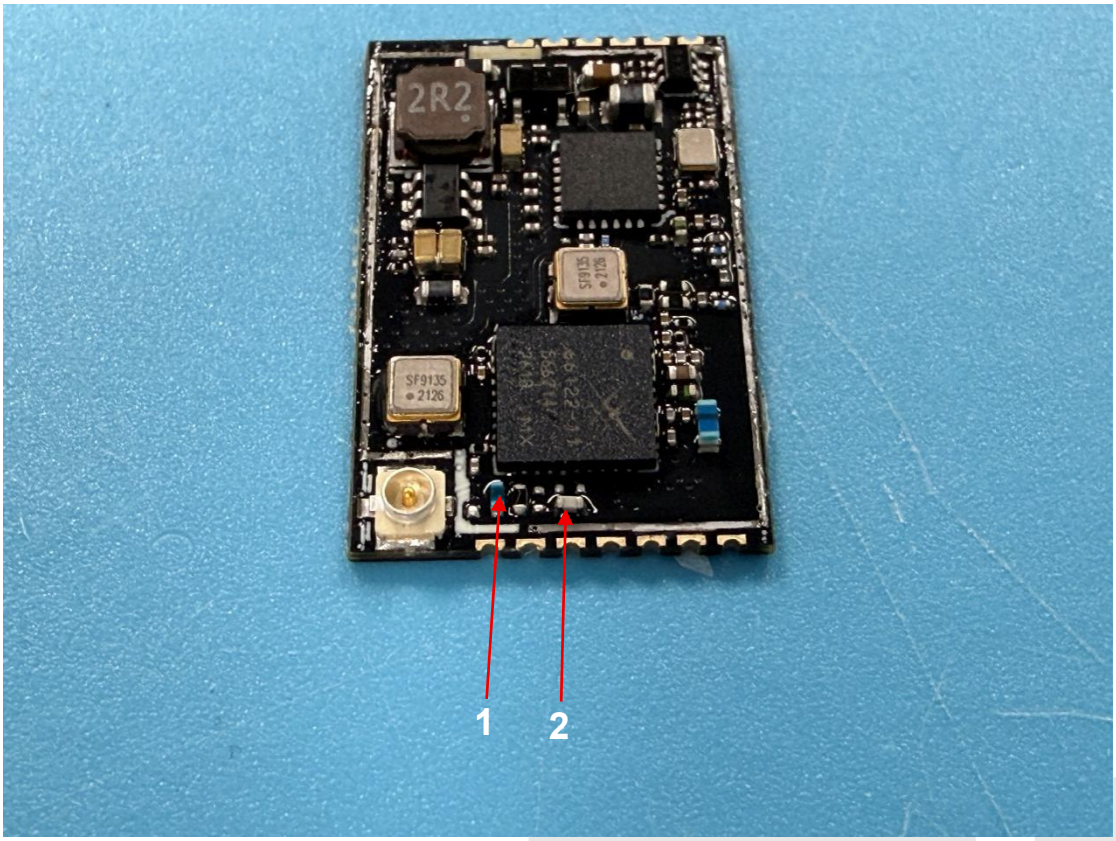



SMA1
C11
L1
C5
C7
C14
2R2
M2
2026-07-18
RHF4T100-Wio-SX1262-1W-V1.1
15
16
17
18
19
20


SMA1
C11
L1
C5
C7
C14
2R2
M2
2026-07-18
RHF4T100-Wio-SX1262-1W-V1.1
21
22
23
24
25


SMA1
C14
C7
C11
L1
M2
2026-07-18
RHF4T100-Wio-SX1262-1W-V1.1
26
27
28

Sample photo list--B



2. Sample description

Sample No.	Description
A1	Green PCB
A2	Golden metal
A3	Black printing white plastic sticker
A4	SMD inductor
A5	SMD capacitor
A6	Silvery metal
A7	Black plastic
A8	Beige plastic
A9	Silvery metal
A10	SMD resistor
A11	SMD capacitor
A12	SMD IC
A13	SMD crystal oscillator
A14	SMD IC
A15	SMD IC
A16	SMD IC
A17	SMD capacitor
A18	SMD crystal oscillator
A19	SMD IC
A20	Silvery metal
A21	SMD capacitor
A22	SMD capacitor
A23	SMD IC
A24	SMD resistor
A25	SMD resistor
A26	Green PCB
A27	SMD crystal oscillator
A28	SMD capacitor
B1	SMD inductor
B2	SMD capacitor

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	500mg/kg	70mg/kg	250mg/kg	500mg/kg	500mg/kg
Material No.	XRF Result				
A1	BL	BL	1279[a]	BL	BL
A2	BL	BL	NA	BL	BL
A3	BL	BL	BL	BL	BL
A4	BL	BL	BL	BL	BL
A5	BL	BL	BL	BL	BL
A6	BL	BL	NA	BL	Inc[a]
A7	BL	BL	1525[a]	BL	BL
A8	BL	BL	BL	BL	BL
A9	BL	BL	NA	BL	BL
A10	BL	BL	BL	BL	BL
A11	BL	BL	BL	BL	BL
A12	BL	BL	BL	BL	BL
A13	BL	BL	BL	BL	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	NA	BL	Inc[a]
A21	BL	BL	BL	BL	BL
A22	BL	BL	BL	BL	BL
A23	BL	BL	BL	BL	BL
A24	BL	BL	BL	BL	BL
A25	BL	BL	BL	BL	BL
A26	BL	BL	3814[a]	BL	Inc[a]
A27	BL	BL	BL	BL	BL
A28	BL	BL	BL	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. The XRF results show the total Br content, while the restricted substance is PBBS/PBDES; the XRF results show the total Cr content, while the restricted substance is hexavalent chromium [Cr(VI)].
5. “a” denotes further confirmation test was conducted, results are listed in sections3.2 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^{6+}): 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^{6+})	Hexavalent Chromium (Cr^{6+})	Cadmium (Cd)	Mercury (Hg)	Lead (Pb)
Limit	**1000 mg/kg**	**Negative**	**100 mg/kg**	**1000 mg/kg**	**1000 mg/kg**
Material No.	**Result**				
A6	--	--	--	--	34
A20	--	--	--	--	131
A26	--	--	--	--	N.D.

Note:

1. LOQ=Limit of Quantitation: Pb, Cd, Hg: 10mg/kg;Cr^{6+}: nonmetal -40mg/kg, metal- Negative(<0.1μg/cm^2).
2. mg/kg = milligram per kilogram, μg/cm^2= micrograms per square centimeter.
3. N.D. = Not Detected (< LOQ).
4. NA = Not Applicable.
5. Negative = Surface of metal sample absence of Cr^{6+}, Positive = Surface of metal sample presence of Cr^{6+}.
6. "--" denotes tested by XRF, result is listed in sections3.1.

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)	MDL (mg/kg)	Result(mg/kg)		
				A1	A7	A26
PBBs	Monobromobiphenyl	--	100	N.D.	N.D.	N.D.
	Dibromobiphenyl	--	100	N.D.	N.D.	N.D.
	Tribromobiphenyl	--	100	N.D.	N.D.	N.D.
	Tetrabromobiphenyl	--	100	N.D.	N.D.	N.D.
	Pentabromobiphenyl	--	100	N.D.	N.D.	N.D.
	Hexabromobiphenyl	--	100	N.D.	N.D.	N.D.
	Heptabromobiphenyl	--	100	N.D.	N.D.	N.D.
	Octabromobiphenyl	--	100	N.D.	N.D.	N.D.
	Nonabromobiphenyl	--	100	N.D.	N.D.	N.D.
	Decabromobiphenyl	--	100	N.D.	N.D.	N.D.
	Sum of detected PBBs	1000	--	N.D.	N.D.	N.D.
PBDEs	Monobromodiphenylether	--	100	N.D.	N.D.	N.D.
	Dibromodiphenylether	--	100	N.D.	N.D.	N.D.
	Tribromodiphenylether	--	100	N.D.	N.D.	N.D.
	Tetrabromodiphenylether	--	100	N.D.	N.D.	N.D.
	Pentabromodiphenylether	--	100	N.D.	N.D.	N.D.
	Hexabromodiphenylether	--	100	N.D.	N.D.	N.D.
	Heptabromodiphenylether	--	100	N.D.	N.D.	N.D.
	Octabromodiphenylether	--	100	N.D.	N.D.	N.D.
	Nonabromodiphenylether	--	100	N.D.	N.D.	N.D.
	Decabromodiphenylether	--	100	N.D.	N.D.	N.D.
	Sum of detected PBDEs	1000	--	N.D.	N.D.	N.D.

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

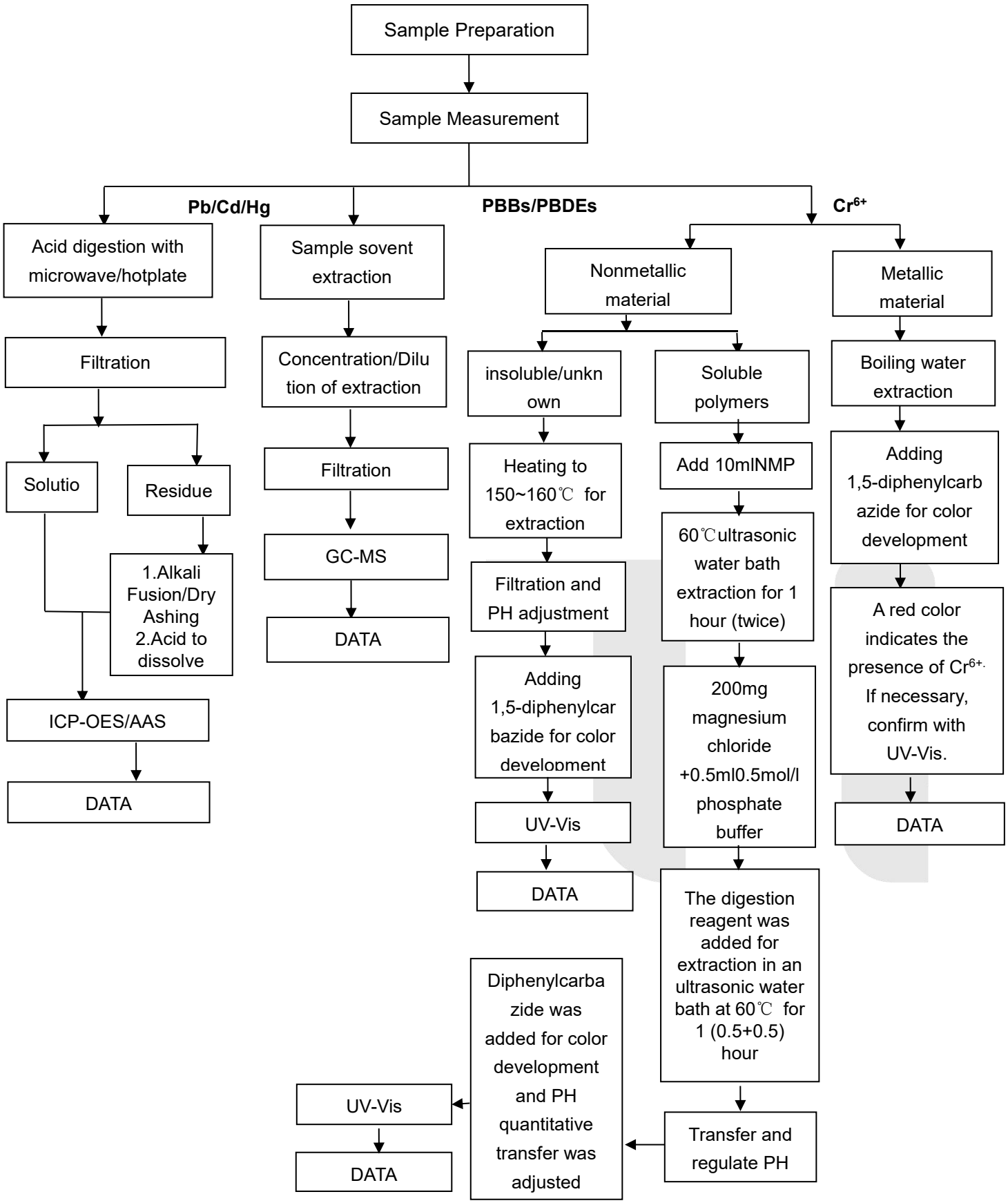
3.4 Phthalates Content

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)
CAS No.	117-81-7	84-74-2	85-68-7	84-69-5
Limit	1000 mg/kg	1000 mg/kg	1000 mg/kg	1000 mg/kg
Material No.	**Result (mg/kg)**			
A3+A7+A8	N.D.	N.D.	N.D.	N.D.
A1+A26	N.D.	N.D.	N.D.	N.D.
A4+A5+A10	N.D.	N.D.	N.D.	N.D.
A11+A12+A13	N.D.	N.D.	N.D.	N.D.
A14+A15+A16	N.D.	N.D.	N.D.	N.D.
A17+A18+A19	N.D.	N.D.	N.D.	N.D.
A21+A22+A23	N.D.	N.D.	N.D.	N.D.
A24+A25+A27	N.D.	N.D.	N.D.	N.D.
A28	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. Limit of Quantitation = 50mg/kg
3. N.D. = Not Detected (< LOQ)

RoHS Testing Flow Chart



Phthalates Testing Flow Chart

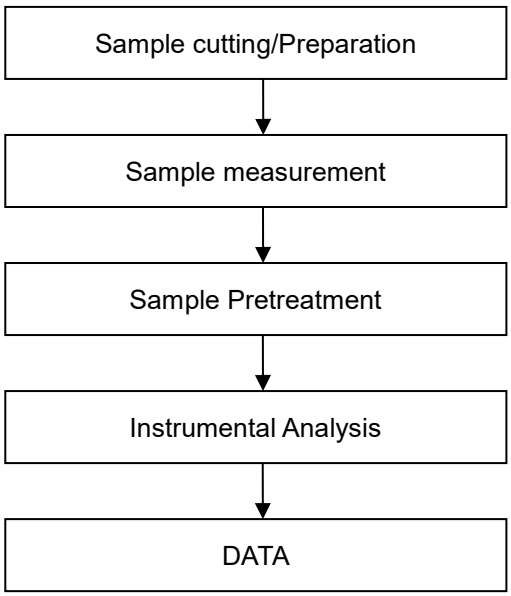
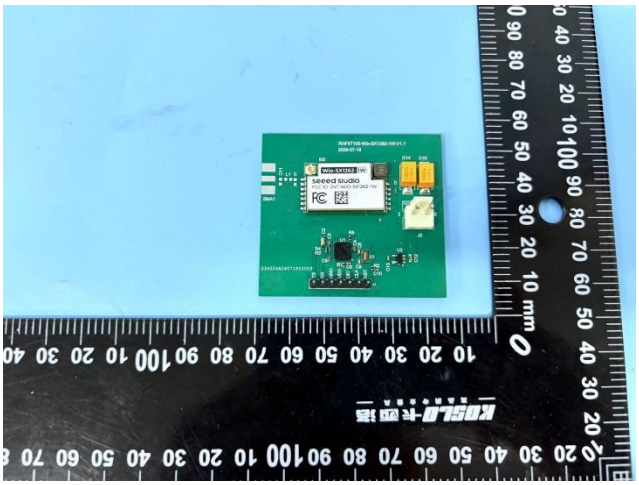
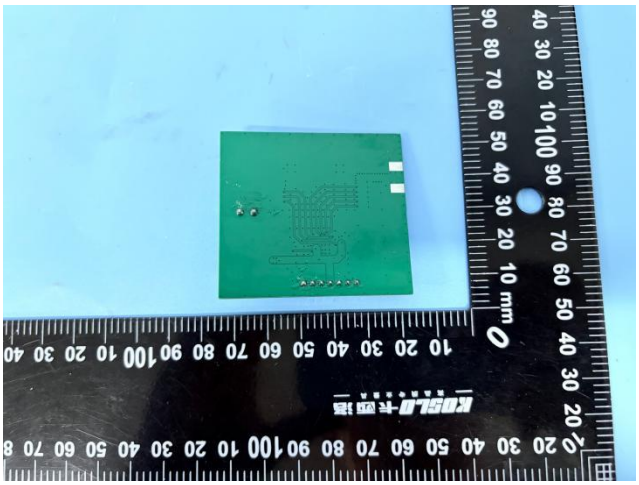
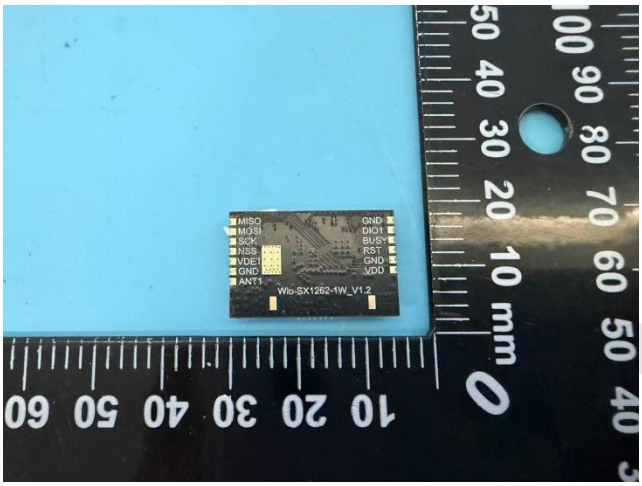
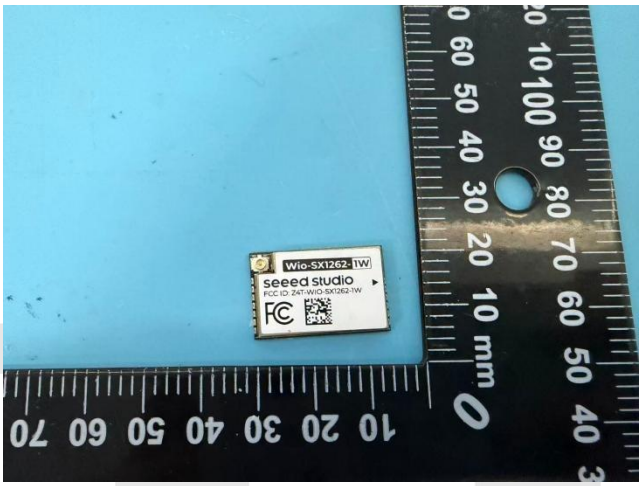


Photo of Sample









Remark：The test component < B part > was provided by client for test on dated Sept.20, 2026.

This report has added " B part " test on the basis of the original report (Report No. COBO26074665). This report replaces the original report COBO26074665, which has been invalidated.

Statement

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End of Report