



Test Report

Applicant name:	Shenzhen Sycreader RFID Technology Co., Ltd.
Applicant address:	Rm.2001,20/F,Huichao Technology Building,Jinhai Road,Xixiang Street, Baoan District,Shenzhen,China.

Sample information:

Sample Name:	barcode scanner
Sample Model:	V2-W, S10, S20, S30, S40, S50, U1, U2, U3, U4, U5, U6, U7, U8, U9, U10, U11, U12, U13, U14, V1, V2, V3, V4, V5, V6, V7, V8, V9, V10, V11, V12, V13, V14, R26, R27, R28, R35, R36, R37, R45, R46, R47, R48, R58, R59, R68, R69, R78, R79, R88
Trade mark :	SYCREADER
Manufacturer:	Shenzhen Sycreader RFID Technology Co., Ltd. Rm.2001,20/F,Huichao Technology Building,Jinhai Road,Xixiang Street, Baoan District,Shenzhen,China.
Sample Received Date:	Mar.17,2021
Testing Period:	Mar.17,2021~Mar.23,2021

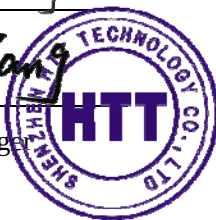
Test Requested As specified by client, to determine the Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs, DEHP, BBP, DBP & DIBP content in the submitted sample compliance with RoHS directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102.

Test Method:

Tested Item(s)	Test Method	Measured Equipment(s)	MDL
Lead(Pb)	IEC 62321-5:2013	ICP-OES	2mg/kg
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES	2mg/kg
Mercury(Hg)	IEC 62321-4:2013+A1:2017	ICP-OES	2mg/kg
Hexavalent Chromium(Cr(VI))	IEC 62321-7-1:2015 IEC 62321-7-2:2017	UV-VIS	2mg/kg
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	5mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	5mg/kg
Di-(2-ethylhexyl) phthalate(DEHP)	IEC 62321-8:2017	GC-MS	50mg/kg
Benzylbutyl phthalate(BBP)	IEC 62321-8:2017	GC-MS	50mg/kg
Dibutyl phthalate (DBP)	IEC 62321-8:2017	GC-MS	50mg/kg
Diisobutyl phthalate(DIBP)	IEC 62321-8:2017	GC-MS	50mg/kg

Test Result(s) Please refer to the following page(s).

Test by : James Huang Inspected by : Robert Chen
Approved by : Kevin Yang Date : Mar.23,2021
Technical Manager





Test Report

Test Result:

No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
01	USB line	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
02	Plastic cavity	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
03	Plastic cover	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
04	Screw	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	-
		PBDEs	1000	-
		DEHP	1000	-
		BBP	1000	-
		DBP	1000	-
		DIBP	1000	-



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No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
05	Plastic base	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
06	Decorative ring	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
07	Lens	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
08	Plastic cover	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.



Test Report

No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
09	Battery	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
10	Sensor	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
11	Buzzer	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
12	Scanning module	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.



Test Report

No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
13	Network cable socket	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
14	Soft PCB	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
15	Chip switch	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
16	Patch connector	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.



Test Report

No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
17	Spring antenna	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	-
		PBDEs	1000	-
		DEHP	1000	-
		BBP	1000	-
		DBP	1000	-
		DIBP	1000	-
18	IC	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
19	SMT transistor	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
20	Chip diode	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.



Test Report

No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
21	Chip LED	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
22	Chip crystal	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
23	Chip resistor	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
24	Chip capacitor	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.



Test Report

No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
25	PCB	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
26	Soldering	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	-
		PBDEs	1000	-
		DEHP	1000	-
		BBP	1000	-
		DBP	1000	-
		DIBP	1000	-
27	Adhesive tape	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
28	USB receiver	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.



Test Report

No.	Part Name	Restricted Substances	Limit (mg/kg)	Test Results
29	Nameplate	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.
30	Transparent cover	Pb	1000	N.D.
		Cd	100	N.D.
		Hg	1000	N.D.
		Cr ⁶⁺	1000	N.D.
		PBBs	1000	N.D.
		PBDEs	1000	N.D.
		DEHP	1000	N.D.
		BBP	1000	N.D.
		DBP	1000	N.D.
		DIBP	1000	N.D.

Note:

N.D. =Not Detected(<MDL)

mg/kg = ppm =parts per million

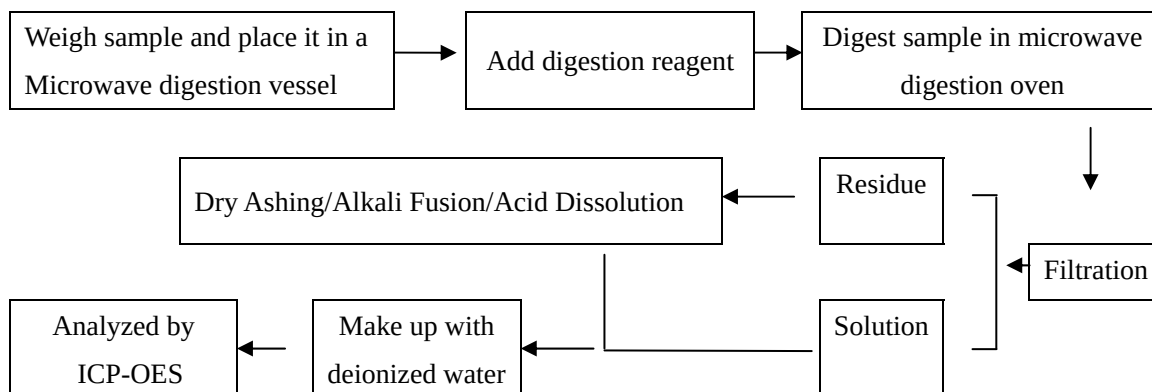
“- ”=Not specified



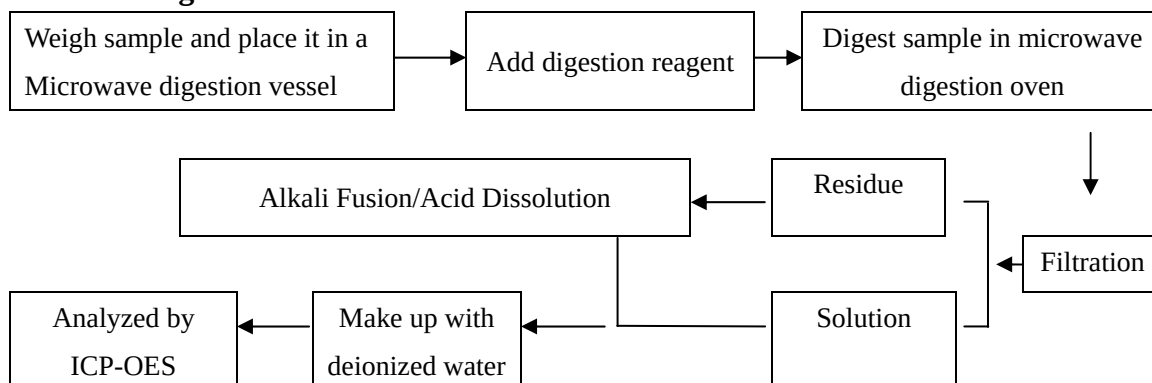
Test Report

Test process

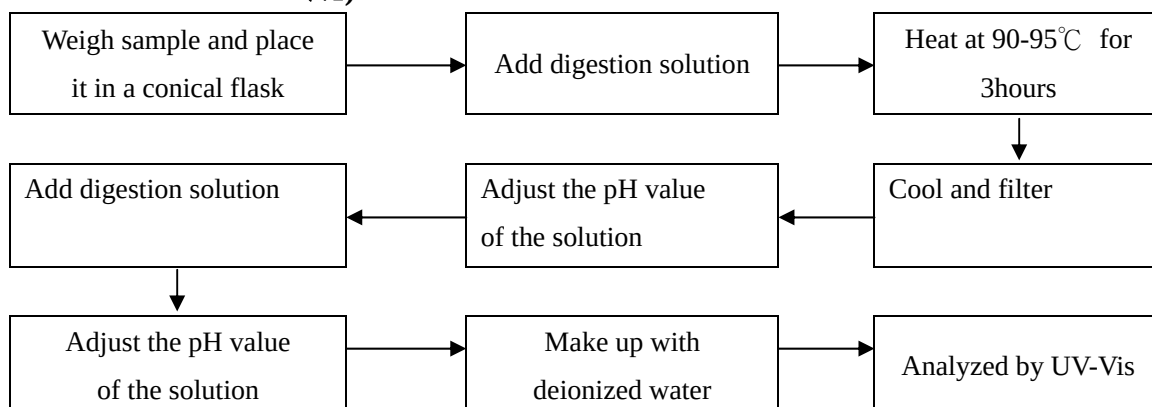
1. Test for Pb/Cd Content



2. Test for Hg Content



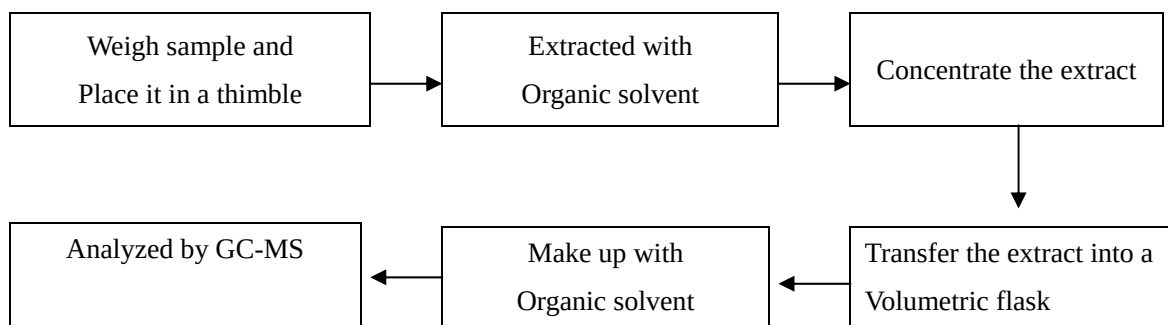
3. Test for Chromium (VI) Content



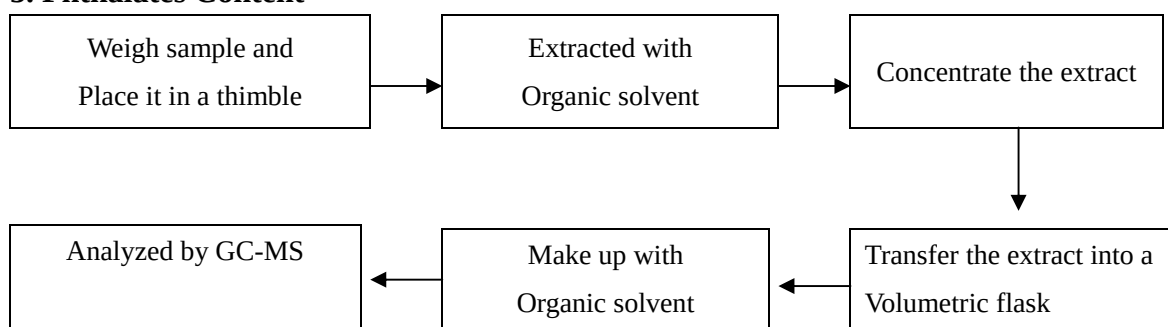
4. Test for PBBs/PBDEs Content



Test Report



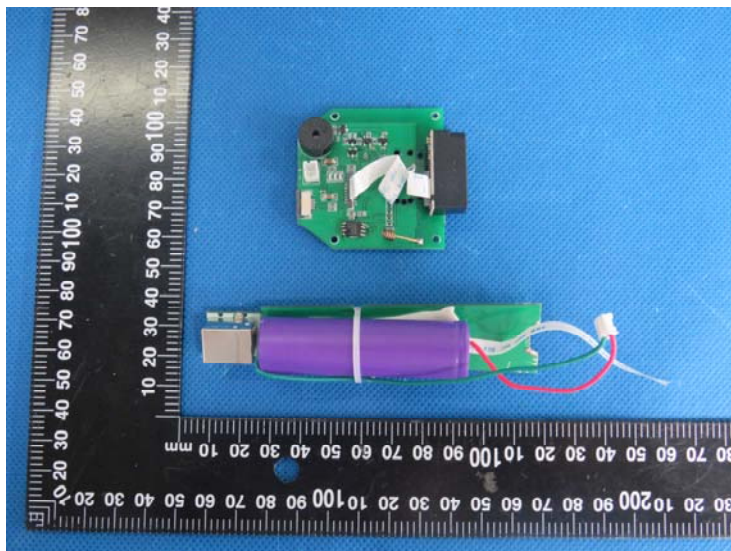
5. Phthalates Content



Photo(s) of the sample(s)



Test Report



*** End of report ***

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