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Applicant : Seeed Technology Inc.

Applicant Address : F5, Building 8, Shiling Industrial Park, Xinwei, Number32, Tongsha Road

Xili Town, Nanshan District, Shenzhen, China. P.R.C

Manufacturer : Shenzhen RDM TAG MASTER Co., Ltd

Manufacturer Address : 3H, Building A, Guanlong Village, Xili Town, Nanshan District, Shenzhen,

518055, China

The following samples were submitted by the client said to be:

Sample Name : Grove - 125KHz RFID Reader

Model No. : SEN11425P

Sample Receiving Date : August 21, 2014

Date of Test : August 21 - 26, 2014

Test Requested : As requested by the applicant, submitted sample was screened

by XRF spectroscopy and inconclusive items were confirmed by wet chemical method in accordance with EU Directive 2011/65/EU Annex

II; recasting 2002/95/EC.

Test Results : Details, please refer to the following pages.

Conclusion : Pass

Tested by (name + signature)...... Lena Liang

Approved by (name + signature)...... Susan Chen

CES Chen

Declaration:

(1) The test results exclusively refer to the samples examined.

(2) This report shall not be reproduced except in full without written approval and does not authorize the use of Shenzhen Certification Technology Service Co., Ltd.

(3) The report is invalid without signature and seal of Shenzhen Certification Technology Service Co., Ltd.

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(A) Test Result:

(1) As per IEC 62321: 2008, screened by XRF spectroscopy.

No.	Component Description	Test Item	XRF Result
	Zittation to	Cadmium (Cd)	P 3111/
	tion feeling	Lead (Pb)	P P
1	Plastic of wire terminal	Mercury (Hg)	P
	111/	Chromium (Cr)	111/16 P
	The trade of the same of the s	Bromine (Br)	E P NI
6	Tine and Technology	Cadmium (Cd)	P P
	Carinta Hari	Lead (Pb)	Paration
2	Pin of wire terminal	Mercury (Hg)	P
	chronoss 11/2	Chromium (Cr)	P
	o to	Bromine (Br)	
	attor to ano	Cadmium (Cd)	P
	-	Lead (Pb)	Р =
3	PCB	Mercury (Hg)	/// P
	311111	Chromium (Cr)	311/P
	- Landon	Bromine (Br)	Poses
		Cadmium (Cd)	P N
	artification .	Lead (Pb)	P
4	IC VIII	Mercury (Hg)	Р Р
		Chromium (Cr)	P
	The along the Control of the Control	Bromine (Br)	P 1111/
11/7	Zalon di	Cadmium (Cd)	P -
	. 117.	Lead (Pb)	P Griman
5	Capacitor	Mercury (Hg)	1111/1/2 P
		Chromium (Cr)	P.\\\\\\
	- Ledmondos	Bromine (Br)	P Jane
100	Certification	Cadmium (Cd)	P
	11/10	Lead (Pb)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
6	Capacitor	Mercury (Hg)	P.
		Chromium (Cr)	ation P 100%
		Bromine (Br)	P
dogs 111//-	. 2	Cadmium (Cd)	P
	on the	Lead (Pb)	P P
7	Capacitor	Mercury (Hg)	Diff P
		Chromium (Cr)	E P ,\\\\\\
		Bromine (Br)	P



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No.	Component Description	Test Item	XRF Result
.117.	7	Cadmium (Cd)	P = 1
The state of the s	Carin	Lead (Pb)	P Fartification
8	Capacitor	Mercury (Hg)	111/ ₁ P
Centinu	1111/	Chromium (Cr)	P ANI/A
	Contraction 2 Journal	Bromine (Br)	P India
11111/2	Fuse	Cadmium (Cd)	P Meation to
Technology.		Lead (Pb)	P P
9		Mercury (Hg)	P
-	uncation to	Chromium (Cr)	P
1//	The atom Technic	Bromine (Br)	P- P- Technol
11 and 10 and 11		Cadmium (Cd)	P
Jon Tech		Lead (Pb)	P P
10	Resistor	Mercury (Hg)	P //
Cartino	- Internation	Chromium (Cr)	P
	Extincation = S	Bromine (Br)	P
1111/		Cadmium (Cd)	P 2
= Jacob	111//	Lead (Pb)	P
11	Triode	Mercury (Hg)	P
	The store of the s	Chromium (Cr)	P
W///	- Justinit	Bromine (Br)	P
mology	Crystal	Cadmium (Cd)	P
incation feet		Lead (Pb)	P
12		Mercury (Hg)	P 111//
		Chromium (Cr)	P =
	Certifica	Bromine (Br)	Carried Total
Ton Technology	LED	Cadmium (Cd)	. NI// P
inca		Lead (Pb)	P
13		Mercury (Hg)	P
11/10		Chromium (Cr)	P
Technology		Bromine (Br)	P
	Plastic of small wire terminal	Cadmium (Cd)	P
- Totalio		Lead (Pb)	P
14		Mercury (Hg)	P
South Control of the		Chromium (Cr)	P
31111		Bromine (Br)	P Grand
- Internation	Pin of small wire terminal	Cadmium (Cd)	111/P
Certifica		Lead (Pb)	P
15		Mercury (Hg)	P
111/1/16		Chromium (Cr)	P
amologu .		Bromine (Br)	



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No.	Component Description	Test Item	XRF Result
ou - 11/-		Cadmium (Cd)	P = 1
	Cartina	Lead (Pb)	P France
16	Black plastic of U terminal	Mercury (Hg)	P
		Chromium (Cr)	P 111/44
		Bromine (Br)	P
17	Pin of U terminal	Cadmium (Cd)	P
		Lead (Pb)	P
		Mercury (Hg)	P
		Chromium (Cr)	P
	- Interior to	Bromine (Br)	Long Reduce
	-		,

Remark:

- (1) (a) There are the results on total Br while test items on restricted substances are PBBs and PBDEs. There is the result on total Cr while test item on restricted substances is Cr(VI).
 - (b) Results are obtained by EDXRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC62321 (unit: mg/kg).

Element	Polymer Material	Metallic Material	Composite Material
Cadmium (Cd)	P≤70-3σ <ic< 130+3σ≤F</ic< 	P≤70-3σ <ic< 130+3σ≤F</ic< 	P ≤50-3σ <ic< 150+3σ≤F</ic<
Lead (Pb)	P≤700-3σ <ic< 1300+3σ≤F</ic< 	P≤700-3σ <ic< 1300+3σ≤F</ic< 	P≤500-3σ <ic< 1500+3σ≤F</ic<
Mercury (Hg)	P≤700-3σ <ic< 1300+3σ≤F</ic< 	P≤700-3σ <ic< 1300+3σ≤F</ic< 	P≤500-3σ <ic< 1500+3σ≤F</ic<
Chromium (Cr)	P≤700-3σ <ic< td=""><td>P≤700-3σ<ic< td=""><td>P≤500-3σ<ic< td=""></ic<></td></ic<></td></ic<>	P≤700-3σ <ic< td=""><td>P≤500-3σ<ic< td=""></ic<></td></ic<>	P≤500-3σ <ic< td=""></ic<>
Bromine (Br)	P≤300-3σ <ic< td=""><td>1111</td><td>P≤250-3σ<ic< td=""></ic<></td></ic<>	1111	P≤250-3σ <ic< td=""></ic<>

- (c) mg/kg=milligram per kilogram
- (d) P=Pass, F=Fail, IC=Inconclusive, -- = Not Regulated
- (2) (a) mg/kg = 0.0001%, MDL = Method Detection Limit, N.D. = Not Detected (<MDL)
 - (b) Test Method for Chemical Confirmation

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Test Item	Test Method	Test Instrument	MDL (mg/kg)	EU RoHS Limit (mg/kg)
Cd	IEC 62321:2008	ICP-OES	2	100
Pb	IEC 62321:2008	ICP-OES	2	1000
Hg	IEC 62321:2008	ICP-OES	2	1000
Cr(VI)	IEC 62321:2008	UV-Vis	0.02 (50 cm ²)	1000
PBBs, PBDEs	IEC 62321:2008	GC-MS	5	1000

(c) According to IEC 62321:2008, result on Cr(VI) for metal sample is shown as Positive/Negative. Negative = Absence of Cr(VI) coating, Positive = Presence of Cr(VI) coating.



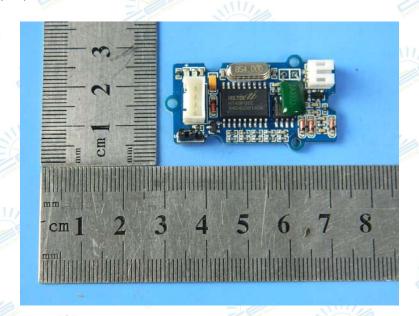
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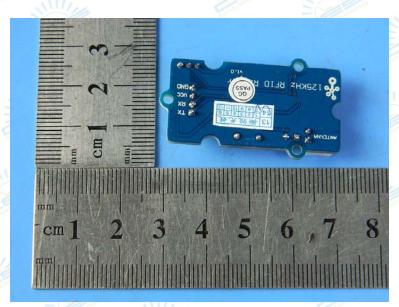
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(B) Tested sample photos:





-- End of Report ---

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