



Test Report

No.: CTL1311201800-R

Date: December 9, 2013

Page 1 of 5

Applicant: Sure Electronics Co., Ltd.

Address: East zone, 3F, Building 6, Jingang Technology Innovation Center, No.108 Ganjiabian Rd, Zip Code: 210000, Qixia District, Nanjing, PRC

Manufacturer: Sure Electronics Co., Ltd.

Address: East zone, 3F, Building 6, Jingang Technology Innovation Center, No.108 Ganjiabian Rd, Zip Code: 210000, Qixia District, Nanjing, PRC

Sample Name: PCB and Assembly

Model No.: /

Trade Mark: /

Test period: December 3, 2013 to December 9, 2013

Test requested: With reference to RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC

Test Method: With reference to IEC 62321:2008 and performed by following methods:

- 1) Cd-with reference to BS EN1122/ US EPA3050B/ US EPA3052. Analysis was performed by acid digestion.
- 2) Pb-with reference to US EPA3050B/ US EPA3052. Analysis was performed by acid digestion.
- 3) Hg-with reference to US EPA3052. Analysis was performed by acid digestion.
- 4) Cr6+- with reference to US EPA3060A&7196A. Analysis was performed by alkaline digestion. PBB&PBDE-with reference to US EPA3540C. Analysis was performed by solvent extraction.

Jacky Chen

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Shenzhen CTL Electromagnetic Technology Co., Ltd.

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Page 2 of 5

Test Results:

Part No.	Part Name	Restricted Substances	Unit	Results	Reference report No.
1	capacitance	Cd	mg/kg	N.D.	SGS Report No.: CANEC1304235602
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
2	resistance	Cd	mg/kg	N.D.	SGS Report No.: GZ1104042686/CHEM
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
3	diode	Cd	mg/kg	N.D.	SGS Report No.: CANEC1311871701
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
4	PCB	Cd	mg/kg	N.D.	CTI Report No.: RLSZD000883090001
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
5	IC	Cd	mg/kg	N.D.	SGS Report No.: CANEC1307024001
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	

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No.: CTL1311201800-R

Date: December 9, 2013

Page 3 of 5

6	Sheet metal	Cd	mg/kg	N.D.	SGS Report No.: CANEC1307025421
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
7	Black plastic	Cd	mg/kg	N.D.	SGS Report No.: SHAEC1300376530
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
8	LED	Cd	mg/kg	N.D.	SGS Report No.: SHAEC1300378527
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
9	White plastic	Cd	mg/kg	N.D.	SGS Report No.: SHAEC1300377951
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	



Test Report

No.: CTL1311201800-R

Date: December 9, 2013

Page 4 of 5

ROHS Requirement

Restricted substances	MDL	Limits
Lead(Pb)	5	0.1%(1000 ppm)
Cadmium(Cd)	5	0.01%(100 ppm)
Chromium(VI)(Cr6+)	5	0.1%(1000 ppm)
Mercury(Hg)	5	0.1%(1000 ppm)
Polybrominated biphenyls(PBBs)	5	0.1%(1000 ppm)
Polybrominated diphenyl ethers(PBDEs)	5	0.1%(1000 ppm)

Note:

_mg/kg=ppm=0.0001%

-MDL=Method Detection Limit

-N.D. =not detected (<MDL)

-Photo is included

-Test results are from other testing organizations. Shenzhen CTL Electromagnetic Technology Co., Ltd. has no liability to assume the verification of the authenticity of the above test reports results.



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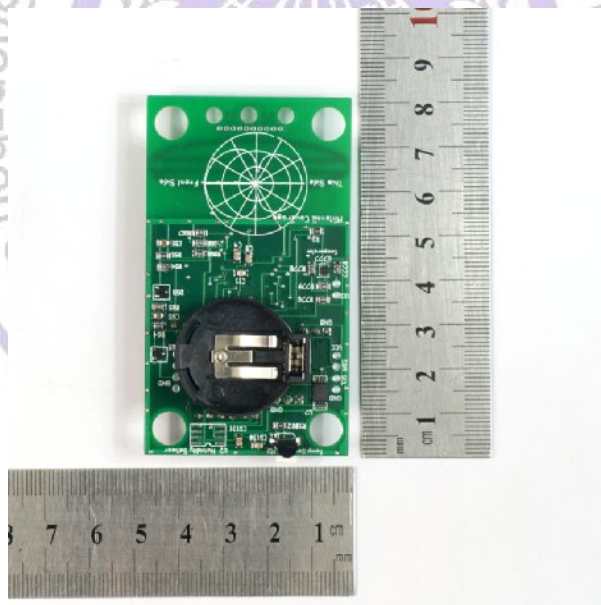
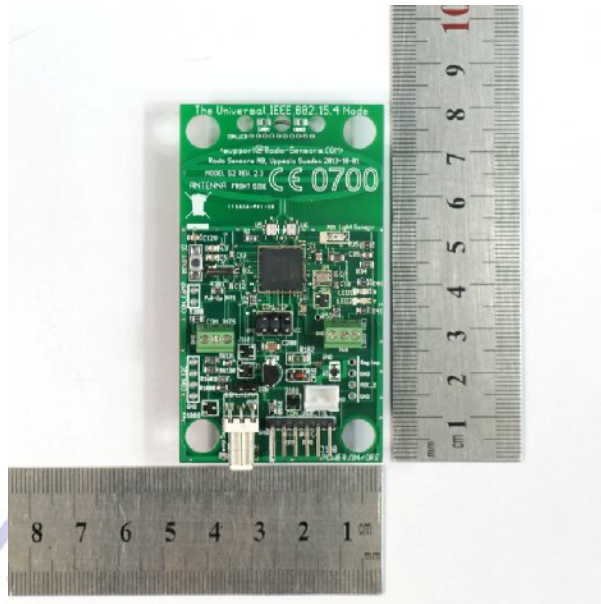
Test Report

No.: CTL1311201800-R

Date: December 9, 2013

Page 5 of 5

Photographs of Sample:



THE END