

# Verification Report

Report No. ECL01I070650001R1

Page 1 of 57

## CENTRE TESTING INTERNATIONAL



**Applicant** COMPEX SYSTEMS PTE LTD  
**Address** NO:9 HARRISON ROAD, HARRISON INDUSTRIAL BUILDING, #05-01,  
SINGAPORE 369651  
**Product Name** WIRELESS NETWORK MINI PCIE & PCI ADAPTER& WIRELESS  
ACCESS POINT  
**Client Reference** Please refer to page 3  
**Information**

### Conclusion

Tested Sample	According to directive	Result
Submitted Sample	RoHS Directive 2011/65/EU with amendment (EU) 2015/863	Pass

Pass means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment(EU) 2015/863.

Tested by

*Etham*

Reviewed by

*Ranxiaoyan*

Approved by

*Su Hongwei*

Date

Jan. 5, 2017

Su Hongwei  
Senior Laboratory Manager

Centre Testing International Pinbiao(Shanghai) Co., Ltd.

No. 1996, Xinjinqiao Road, Pudong New District, Shanghai, China

No. R270339414

Inspection & Testing Services

# Verification Report

Report No. ECL01I070650001R1

Page 2 of 57

## Report Content

Sample Information.....	3
Test Requested.....	4
Photo(s) of the Product(s).....	4
Test Method.....	5
Test Result(s).....	7
Test Process.....	36
Photo(s) of the Tested Component(s).....	39
RoHS Directive Exemptions.....	51

# Verification Report

Report No. ECL01I070650001R1

Page 3 of 57

Sample Received Date Nov. 28, 2016  
Testing Period Nov. 28, 2016 to Jan. 4, 2017

## Client Reference Information

WP546,WP543,WPJ543,WPE72,WPJ72Z,WLM54AG,R52-350,WPJ344,WPJ344-A,WPJ558,WPJ558-A,WPJ342,WPJ342-A, WPE71-IS, WPE71-TS,WPJ559,WPJ557-A, WPJ557  
WPJ531,WPJ531-A, WP531-VA,WPJ563, WPJ563-A, AP148,WPQ864,WPQ862,WPQ865,  
WPQ865G ,WPQ869

WLM200NX,WLM200N2-26, WLM200N2,WLM200N5-23ESD, WLM200N5-23ESD-4.9,  
WLM200N5-26ESD, WLM200N5-26ESD-4.9

WLE200NX,WLE200NX-I, WLE200N2,WLE200N2SM,  
WLE200N2-23,WLE200N5-23ESD,WLE350NX,WLE351NX,WLE250NX,WLE251NX,WLE350N5-25,WLE250N5-25,WLE350N2-25,WLE250N2-25,WLE900V5-27ESD,WLE600V5-27ESD,WLE900VX,WLE900VX-I, WLE900VX-I-SWI, WLE900VX-4.9, WLE900VX-I-4.9  
WLE600VX, WLE600VX-I, WLE600VX-4.9, WLE600VX-I-4.9

WLE1200V2,WLE1200V5,WLE1200V5-18,WLE1200V5-20, WLE1200V5-23,WLE1216V5-23,  
WLE650V5-18, WLE650V5-18A, WLE650V5-18I  
WLE650V5-23, WLE650V5-25, WLE350N5-20J, WLE1216V5-20

WLE200-3G6, WLE250-900M, WLU200NX, WLU35, WLU201NX

POE 3AF 6A02 MODULE, PSE MODULE-5980-6A02, PSE-LTC4274A-6A01, PSE-LTC4274A-6A02,  
POE-LT4276B-6C01, POE-LT4276B-6C02, POE-MAX5974A-6B01, POE-MAX5974A-6B02

# Verification Report

Report No. ECL01I070650001R1

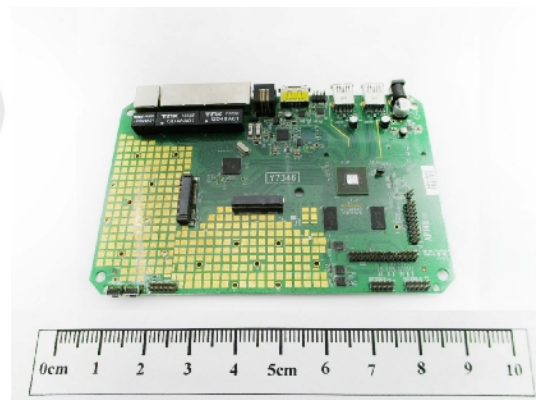
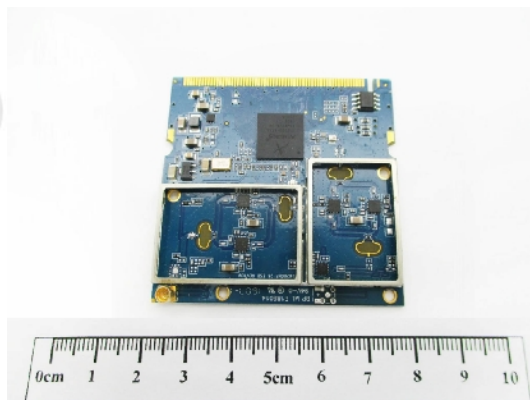
Page 4 of 57

## Test Requested

- 1.As specified by client, to screen Lead(Pb), Cadmium(Cd), Mercury(Hg), Chromium(Cr) and Bromine(Br) in the submitted sample(s) by XRF.
- 2.As specified by client, when screening results exceed the XRF screening limit in IEC 62321-3-1:2013 Ed.1.0, further use of chemical methods are required to test the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs) in the submitted samples.
- 3.As specified by client, to mitxed test Phthalates (Dibutyl phthalate(DBP), Benzylbutyl phthalate(BBP), Di-2-ethylhexyl phthalate(DEHP), Diisobutyl phthalate(DIBP)) in the submitted samples by risk analysis, When the mixed test results are larger than the mixed test limits, the materials of the project are tested separately.

## Photo(s) of the Product(s)

### WIRELESS NETWORK MINI PCIE & PCI ADAPTER& WIRELESS ACCESS POINT





# Verification Report

Report No. ECL01I070650001R1

Page 5 of 57

## Test Method

### A. Screening limits for regulated elements according to IEC 62321-3-1:2013 Ed.1.0(Unit: mg/kg)

Element	Polymers	Metals	Composite material
Pb	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cd	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$BL \leq (70-3\sigma) < X < (130+3\sigma) \leq OL$	$LOD < X < (150+3\sigma) \leq OL$
Hg	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (700-3\sigma) < X < (1300+3\sigma) \leq OL$	$BL \leq (500-3\sigma) < X < (1500+3\sigma) \leq OL$
Cr	$BL \leq (700-3\sigma) < X$	$BL \leq (700-3\sigma) < X$	$BL \leq (500-3\sigma) < X$
Br	$BL \leq (300-3\sigma) < X$	N/A	$BL \leq (250-3\sigma) < X$

### B. Mixed test limits for Phthalates

Test Item(s)	Mixed test limits(Unit: mg/kg)
Dibutyl phthalate(DBP)	$X \geq (1000-U_{95})/N$
Benzylbutyl phthalate(BBP)	$X \geq (1000-U_{95})/N$
Di-2-ethylhexyl phthalate(DEHP)	$X \geq (1000-U_{95})/N$
Diisobutyl phthalate(DIBP)	$X \geq (1000-U_{95})/N$

### C. Chemical Test

Tested Item(s)	Test Method	Measured Equipment(s)	MDL	Limit
Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	10 mg/kg	1000 mg/kg
	Refer to IEC 62321-5:2013 Ed.1.0	ICP-OES	10 mg/kg	
Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	10 mg/kg	100 mg/kg
	Refer to IEC 62321-5:2013 Ed.1.0	ICP-OES	10 mg/kg	
Mercury (Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES	10 mg/kg	1000 mg/kg
	Refer to IEC 62321-4:2013 Ed.1.0	ICP-OES	10 mg/kg	
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	10 mg/kg	1000 mg/kg
	IEC 62321-7-1:2015	UV-Vis	$0.10 \mu\text{g}/\text{cm}^2$ (LOQ)	
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	100 mg/kg	1000 mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	100 mg/kg	1000 mg/kg
Phthalates (DBP, BBP, DEHP, DIBP)	Refer to IEC 62321-8 CDV	GC-MS	50 mg/kg	1000 mg/kg for each

# Verification Report

Report No. ECL01I070650001R1

Page 6 of 57

**Remark:**

- BL = Under the XRF screening limit
- OL = Above the screening limit
- X = The range of needing to do further testing
- $3\sigma$  = The reproducibility of analytical instruments
- N/A= Not applicable
- LOD = Detection limit
- LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is  $0.10 \mu\text{g}/\text{cm}^2$
- $U_{95}$  = The uncertainty of the test item is 95%
- N = Sample number of mixed test

# Verification Report

Report No. ECL01I070650001R1

Page 7 of 57

## Test Result(s)

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
1.1	Silvery metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
1.2	White label with black printing	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.3	PCB	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
1.4	Yellow electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.5	White electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.6	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.7	Grey electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		

# Verification Report

Report No. ECL01I070650001R1

Page 8 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
1.8	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.9	Grey electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.10	White electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.11	Grey electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.12	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.13	White electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.14	Blue electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		

# Verification Report

Report No. ECL01I070650001R1

Page 9 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
1.15	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.16	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.17	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.18	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.19	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.20	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.21	Silvery electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		



# Verification Report

Report No. ECL01I070650001R1

Page 10 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
1.22	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
1.23	Silvery soldering tin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
2.1	Silvery metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
2.2	Silvery metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
2.3	White label with black printing	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.4	Metal with golden plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
2.5	White plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		

# Verification Report

Report No. ECL01I070650001R1

Page 11 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
2.6	Metal with golden plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
2.7	PCB	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	IN	N.D.		
		Br(PBBs&PBDEs)	IN	N.D.		
2.8	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.9	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.10	White electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.11	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.12	Brown electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		

# Verification Report

Report No. ECL01I070650001R1

Page 12 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
2.13	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.14	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
2.15	Black body	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.16	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.17	Brown electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.18	White electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.19	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		

# Verification Report

Report No. ECL01I070650001R1

Page 13 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
2.20	Silvery electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.21	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.22	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
2.23	Silvery soldering tin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
2.24	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.25	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
2.26	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		

# Verification Report

Report No. ECL01I070650001R1

Page 14 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.1	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016 Dec. 26, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.2	Metal with golden plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.3	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.4	Metal with silvery/gold plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.5	Silvery metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.6	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.7	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		



# Verification Report

Report No. ECL01I070650001R1

Page 15 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.8	Metal with silvery/gold plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.9	Silvery metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.10	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.11	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.12	Metal with silvery/gold plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.13	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.14	Metal with silvery/gold plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		

# Verification Report

Report No. ECL01I070650001R1

Page 16 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.15	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.16	Metal with silvery plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.17	Metal with silvery/gold plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.18	Metal with silvery plating	Pb	BL	/	PASS	Nov. 28, 2016 Dec. 26, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	IN	N.D. ▼		
		Br(PBBs&PBDEs)	N/A	/		
3.19	Metal with silvery/gold plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.20	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.21	White label with black printing	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		

# Verification Report

Report No. ECL01I070650001R1

Page 17 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.22	White label with black printing	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.23	Metal with silvery plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.24	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.25	Cupreous metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.26	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.27	Silvery metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.28	Metal with silvery plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		

# Verification Report

Report No. ECL01I070650001R1

Page 18 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.29	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.30	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.31	Metal with silvery plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.32	Metal with silvery plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.33	Metal with silvery plating	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.34	Black plastic with white printing	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.35	Silvery metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		

# Verification Report

Report No. ECL01I070650001R1

Page 19 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.36	Black rubber	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.37	Grey metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.38	Light yellow electrolysis paper	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.39	Grey metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.40.1	Silvery metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.40.2	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.41	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		



# Verification Report

Report No. ECL01I070650001R1

Page 20 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.42	Silvery metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.43	Black rubber	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.44	Grey metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.45	Light yellow electrolysis paper	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.46	Grey metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.47.1	Silvery metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.47.2	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		

# Verification Report

Report No. ECL01I070650001R1

Page 21 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.48	Black plastic with white printing	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.49.1	Black resin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.49.2	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.50	Green lacquered wire	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.51	Blue lacquered wire	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.52	Red lacquered wire	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.53	Black plastic with white printing	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		

# Verification Report

Report No. ECL01I070650001R1

Page 22 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.54.1	Black resin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.54.2	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.55	Green lacquered wire	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.56	Blue lacquered wire	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.57	Red lacquered wire	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.58	Black plastic	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.59	Silvery metal	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		

# Verification Report

Report No. ECL01I070650001R1

Page 23 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.60	PCB	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.61.1	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.61.2	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.62	PCB	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	IN	N.D.		
		Br(PBBs&PBDEs)	IN	N.D.		
3.63	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.64	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.65	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		

# Verification Report

Report No. ECL01I070650001R1

Page 24 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.66	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.67	Black body	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.68	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.69	Brown electronic component	Pb	BL	/	PASS	Nov. 28, 2016 Dec. 26, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	IN	N.D.		
		Br(PBBs&PBDEs)	BL	/		
3.70	Brown electronic component	Pb	BL	/	PASS	Nov. 28, 2016 Dec. 26, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	IN	N.D.		
		Br(PBBs&PBDEs)	IN	N.D.		
3.71	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.72	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		



# Verification Report

Report No. ECL01I070650001R1

Page 25 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.73	Brown electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.74	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.75	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.76	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.77	Black electronic component	Pb	OL	30140 <sup>#</sup>	PASS	Nov. 28, 2016 Dec. 26, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.78	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.79	Black body	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		

# Verification Report

Report No. ECL01I070650001R1

Page 26 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.80	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.81	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.82	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.83	Black body	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.84	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.85	White electronic component	Pb	OL	N.D.	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.86	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		

# Verification Report

Report No. ECL01I070650001R1

Page 27 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.87	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.88	Brown electronic component	Pb	BL	/	PASS	Nov. 28, 2016 Dec. 26, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	IN	N.D.		
		Br(PBBs&PBDEs)	BL	/		
3.89	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.90	White electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.91	Silvery electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.92	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.93	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		

# Verification Report

Report No. ECL01I070650001R1

Page 28 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.94	Black body	Pb	OL	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	IN	N.D.		
3.95	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.96	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.97	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.98	Light yellow electronic components	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.99	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.100	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		

# Verification Report

Report No. ECL01I070650001R1

Page 29 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.101	Black body	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.102	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.103	Black electronic component	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.104	Black body	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.105	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		
3.106	Black body	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	BL	/		
3.107	Silvery metal pin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		



# Verification Report

Report No. ECL01I070650001R1

Page 30 of 57

Sample No.	Sample Description	Tested Item(s)	XRF Screening Test	Chemical Test (mg/kg)	Conclusion	Sample Received/ Resubmitted Date
3.108	Silvery soldering tin	Pb	BL	/	PASS	Nov. 28, 2016
		Cd	BL	/		
		Hg	BL	/		
		Cr(Cr(VI))	BL	/		
		Br(PBBs&PBDEs)	N/A	/		

## Mixed test results of Phthalates<sup>▲</sup>

Sample No.	Sample Description	Tested Item(s)	Test Result (mg/kg)	Conclusion <sup>▲</sup>	Sample Received/ Resubmitted Date
1.2+1.3 +1.4	White label with black printing +PCB+Yellow electronic component	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
1.5+1.6 +1.7	White electronic component +Black electronic component +Grey electronic component	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
1.8+1.1 4+1.15	Black electronic component+Blue electronic component +Black electronic component	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
1.17+1. 19+1.20	Light yellow electronic components +Black electronic component+Black electronic component	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
1.21+2. 5+2.7	Silvery electronic component +White plastic +PCB	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
2.9+2.1 1+2.12	Black electronic component+Black electronic component+Brown electronic component	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	

# Verification Report

Report No. ECL01I070650001R1

Page 31 of 57

Sample No.	Sample Description	Tested Item(s)	Test Result (mg/kg)	Conclusion <sup>▲</sup>	Sample Received/ Resubmitted Date
2.15+2.18+2.19	Black body +White electronic component +Black electronic component	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
3.1+3.34+3.36	Black plastic +Black plastic with white printing +Black rubber	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
3.38+3.48+3.49.1	Light yellow electrolysis paper +Black plastic with white printing +Black resin	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
3.50+3.51+3.52	Green lacquered wire +Blue lacquered wire +Red lacquered wire	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
3.60+3.61.1+3.62	PCB+Black electronic component+PCB	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
3.67+3.69+3.70	Black body +Brown electronic component +Brown electronic component	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
3.71+3.73+3.77	Black electronic component+Brown electronic component+Black electronic component	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
3.79+3.82+3.83	Black body+Black electronic component+Black body	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	

# Verification Report

Report No. ECL01I070650001R1

Page 32 of 57

Sample No.	Sample Description	Tested Item(s)	Test Result (mg/kg)	Conclusion <sup>▲</sup>	Sample Received/ Resubmitted Date
3.85+3.88+3.94	White electronic component +Brown electronic component +Black body	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
3.97+3.99+3.10 1	Black electronic component+Black electronic component+Black body	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	
3.104+3.106	Black body+Black body	DBP	N.D.	PASS	Nov. 28, 2016 Dec. 26, 2016
		BBP	N.D.	PASS	
		DEHP	N.D.	PASS	
		DIBP	N.D.	PASS	

▲:As specified by client, the test of Phthalates (Dibutyl phthalate(DBP), Benzylbutyl phthalate(BBP), Di-2-ethylhexyl phthalate(DEHP), Diisobutyl phthalate(DIBP)) was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.

## Remark:

- N.D. = Not Detected (<MDL or LOQ)
- MDL = Method Detection Limit
- mg/kg = ppm = parts per million
- /=Not tested
- N/A= Not applicable
- IN= Uncertain, Further chemical test
- BL = Under the screening limit
- OL = Further chemical test will be conducted while the result is above the screening limit.
- ▼The sample is negative for Cr(VI) – The Cr(VI) concentration is below 0.10µg/cm<sup>2</sup>.  
The coating is considered a non-Cr(VI) based coating.
- When conducting the test for PBBs&PBDEs, XRF was introduced to screen Br Exclusively; When conducting the test for Hexavalent Chromium, XRF was introduced to screen Chromium exclusively.
- # = According to the client's statement, lead mainly comes from the high melting temperature type solders. Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead) is exempted from the restriction, with reference to EU Directive 2011/65/EU annex III Exemption Applications 7(a).

# Verification Report

Report No. ECL01I070650001R1

Page 33 of 57

According to the client's statement, The sample material reference information see table:

Sample No.	Sample No. in Reference Report
1.9	1.7
1.10	1.5
1.11	1.7
1.12	1.8
1.13	1.5
1.16	1.8
1.18	1.17
1.22	1.17
2.1	1.1
2.2	1.1
2.3	1.2
2.6	2.4
2.8	1.8
2.10	1.5
2.13	1.17
2.16	1.8
2.17	2.12
2.20	1.21
2.21	1.17
2.22	2.14
2.23	1.23
2.24	1.6
2.25	1.20
2.26	1.7
3.3	3.1
3.6	3.1
3.7	3.1
3.8	3.4
3.10	3.1
3.11	3.1
3.12	3.4
3.13	3.1
3.14	3.4
3.17	3.4
3.19	3.4
3.20	3.1

# Verification Report

Report No. ECL01I070650001R1

Page 34 of 57

Sample No.	Sample No. in Reference Report
3.21	1.2
3.22	1.2
3.24	3.1
3.26	3.1
3.28	3.16
3.29	3.1
3.30	3.1
3.31	3.16
3.32	3.16
3.33	3.16
3.41	3.1
3.43	3.36
3.44	3.37
3.45	3.38
3.46	3.39
3.47.1	3.40.1
3.47.2	3.40.2
3.53	3.48
3.54.1	3.49.1
3.54.2	3.49.2
3.55	3.50
3.56	3.51
3.57	3.52
3.58	3.1
3.61.2	1.17
3.63	1.17
3.64	1.8
3.66	1.17
3.68	2.14
3.72	1.8
3.74	1.8
3.75	1.8
3.76	1.8
3.78	1.17
3.80	2.14
3.81	1.17
3.84	2.14



# Verification Report

Report No. ECL01I070650001R1

Page 35 of 57

Sample No.	Sample No. in Reference Report
3.86	2.14
3.87	1.20
3.89	1.20
3.90	1.5
3.91	1.21
3.92	1.8
3.93	1.8
3.95	2.14
3.96	1.8
3.98	1.17
3.100	1.8
3.102	2.14
3.103	1.8
3.105	2.14
3.107	2.14
3.108	1.23

**Note:**

This testing report displaces the original report of No. ECL01I070650001, and the original one No. ECL01I070650001 was invalid since the date of this testing report released.

# Verification Report

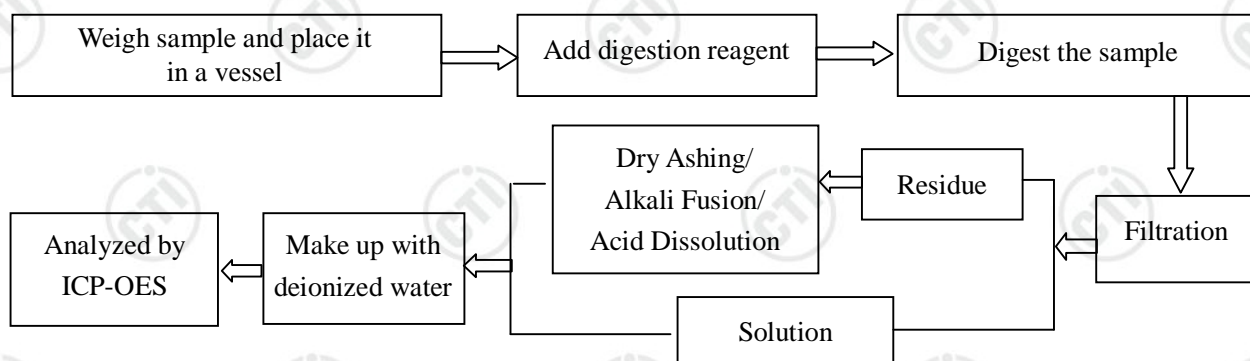
Report No. ECL01I070650001R1

Page 36 of 57

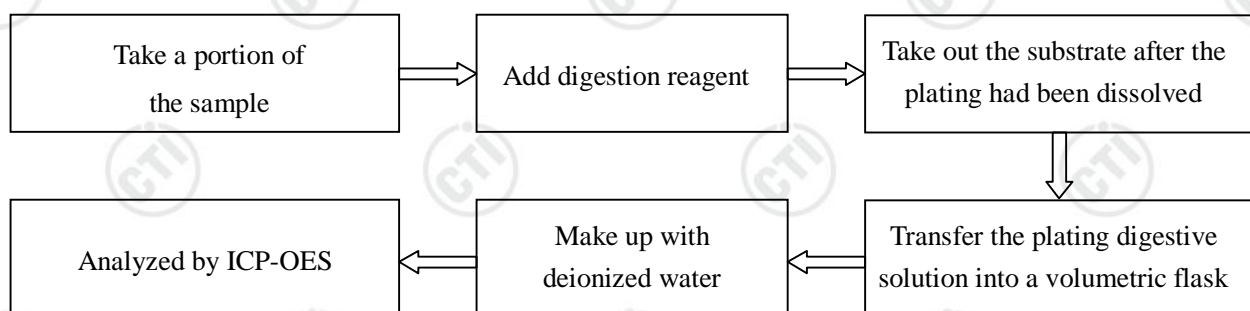
## Chemical Test Process

### 1. Lead (Pb), Cadmium (Cd)

#### 1) IEC 62321-5:2013 Ed.1.0

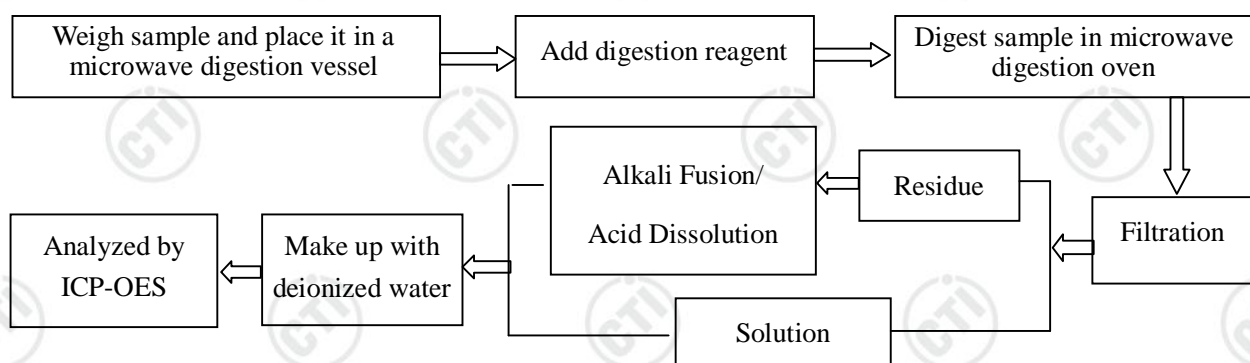


#### 2) Refer to IEC 62321-5:2013 Ed.1.0



### 2. Mercury (Hg)

#### 1) IEC 62321-4:2013 Ed.1.0

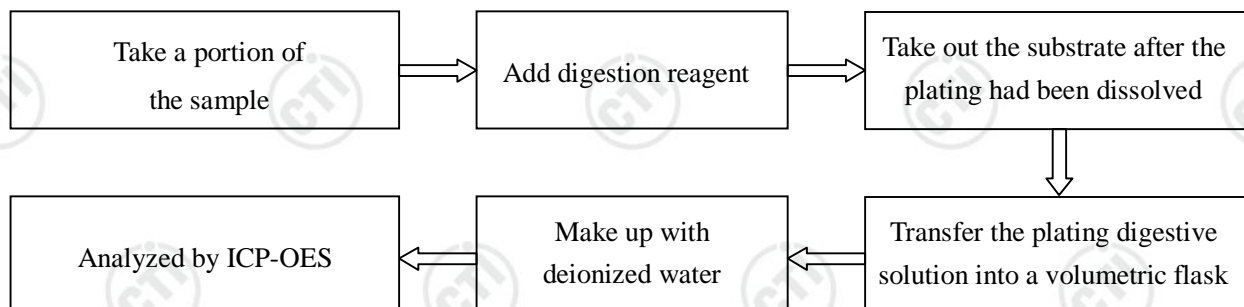


# Verification Report

Report No. ECL01I070650001R1

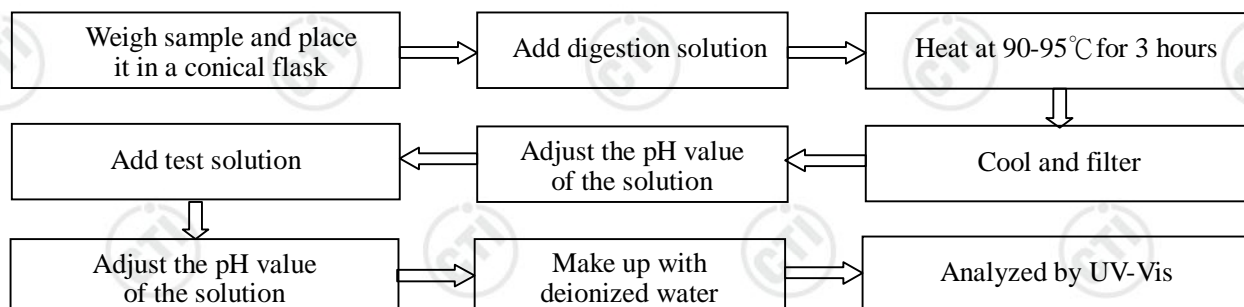
Page 37 of 57

## 2) Refer to IEC 62321-4:2013 Ed.1.0

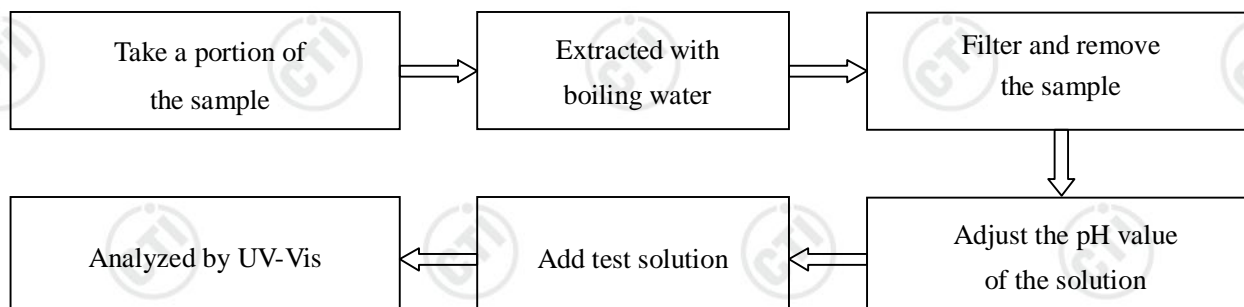


## 3.Hexavalent Chromium (Cr(VI))

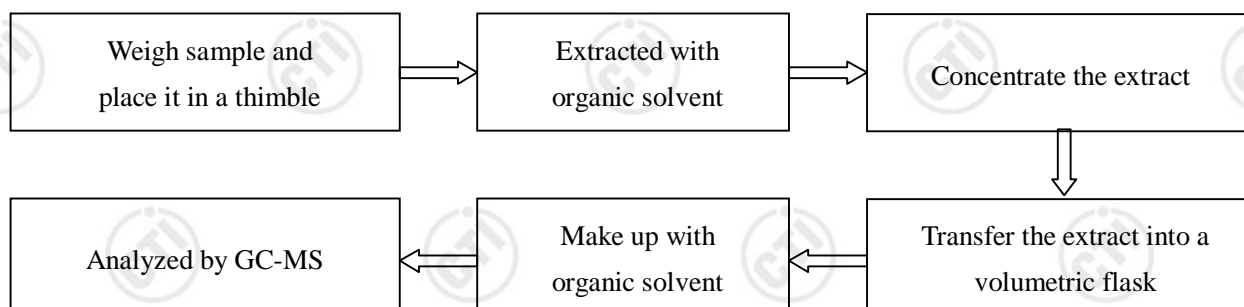
### 1) Non-metal sample(s)



### 2) Plating/Metal sample(s)



## 3. Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs)

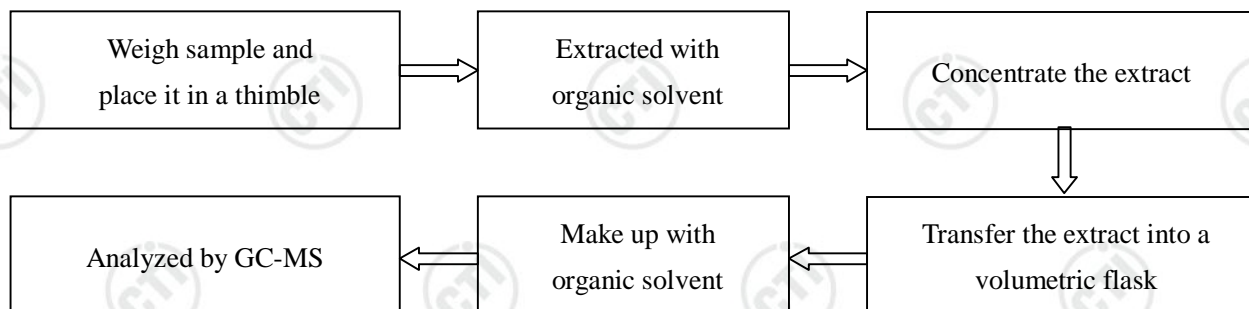


# Verification Report

Report No. ECL01I070650001R1

Page 38 of 57

## 4. Phthalates(DBP, BBP, DEHP, DIBP)



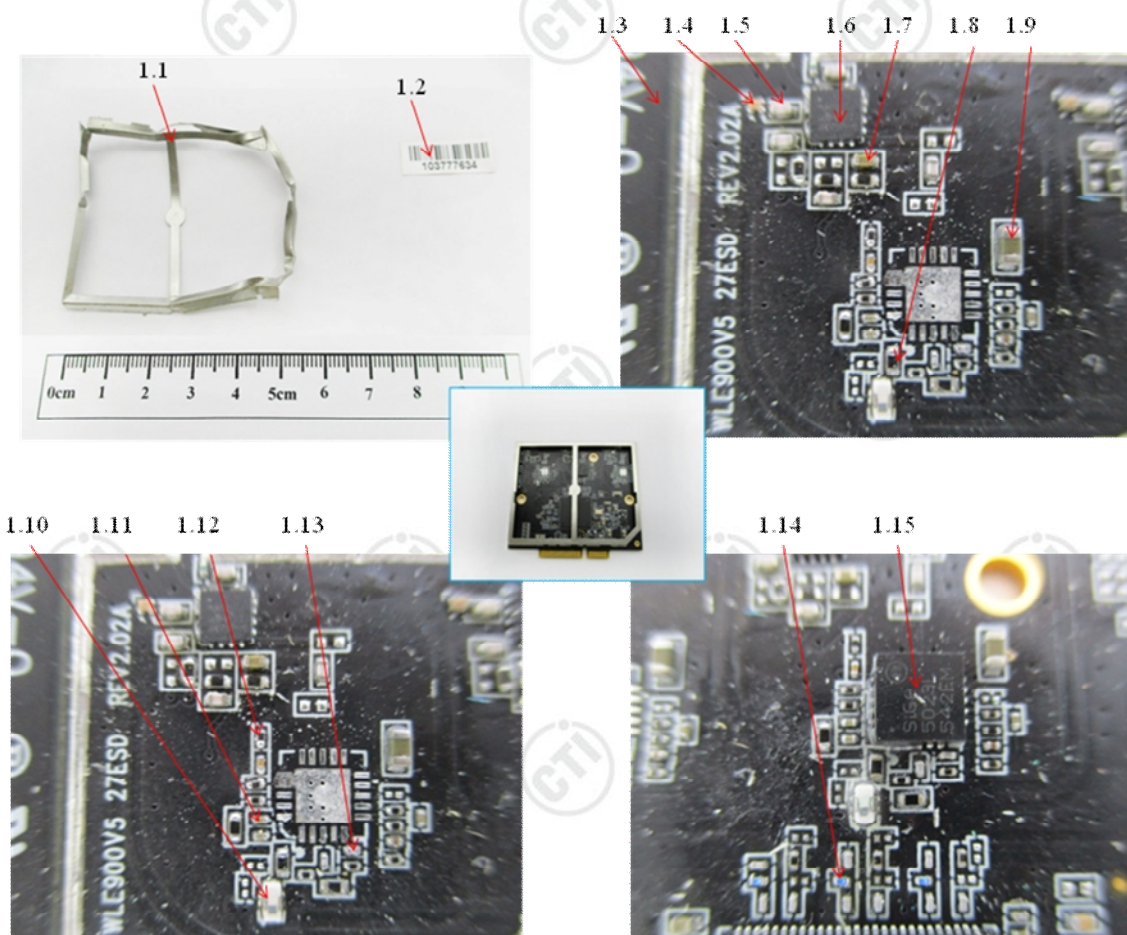


# Verification Report

Report No. ECL01I070650001R1

Page 39 of 57

## Photo(s) of the tested component(s)

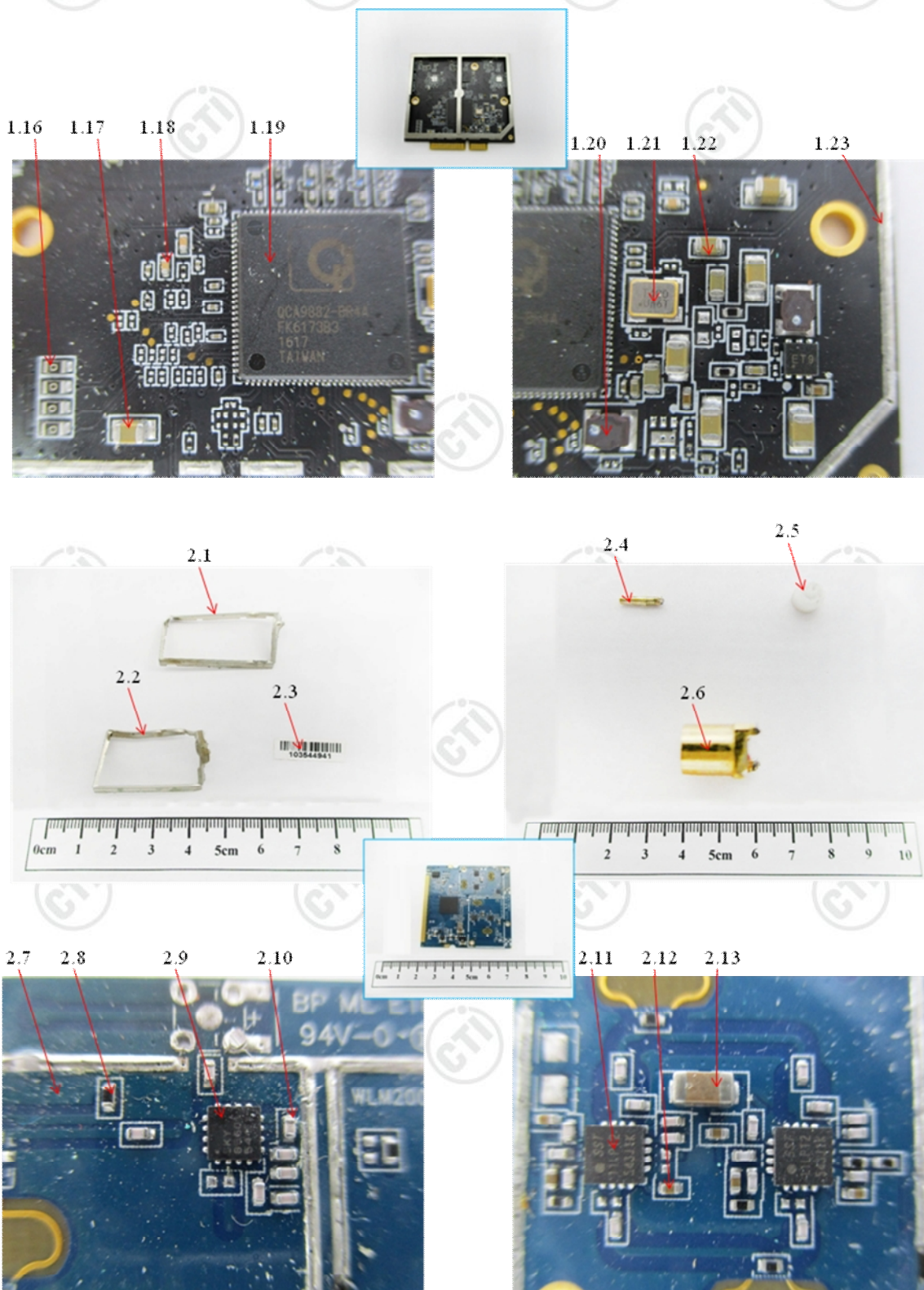




# Verification Report

Report No. ECL01I070650001R1

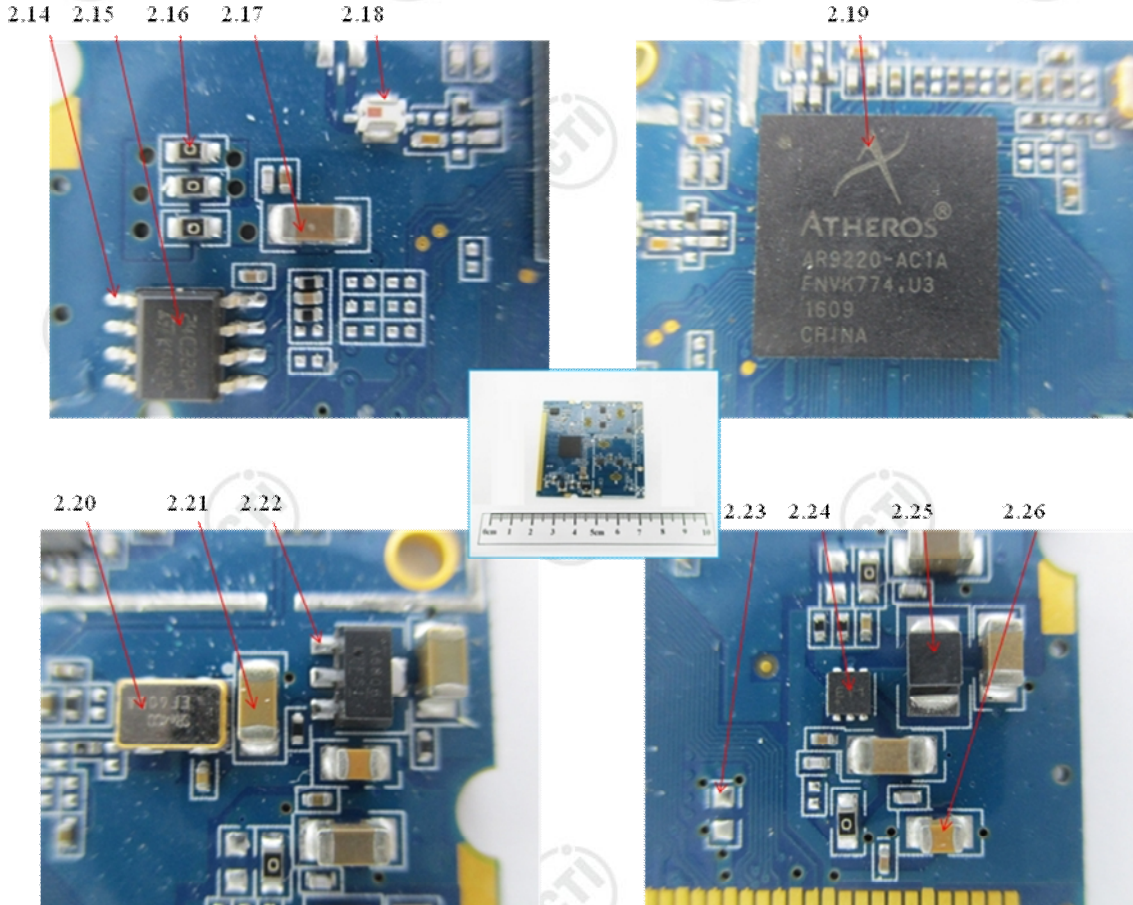
Page 40 of 57



# Verification Report

Report No. ECL01I070650001R1

Page 41 of 57

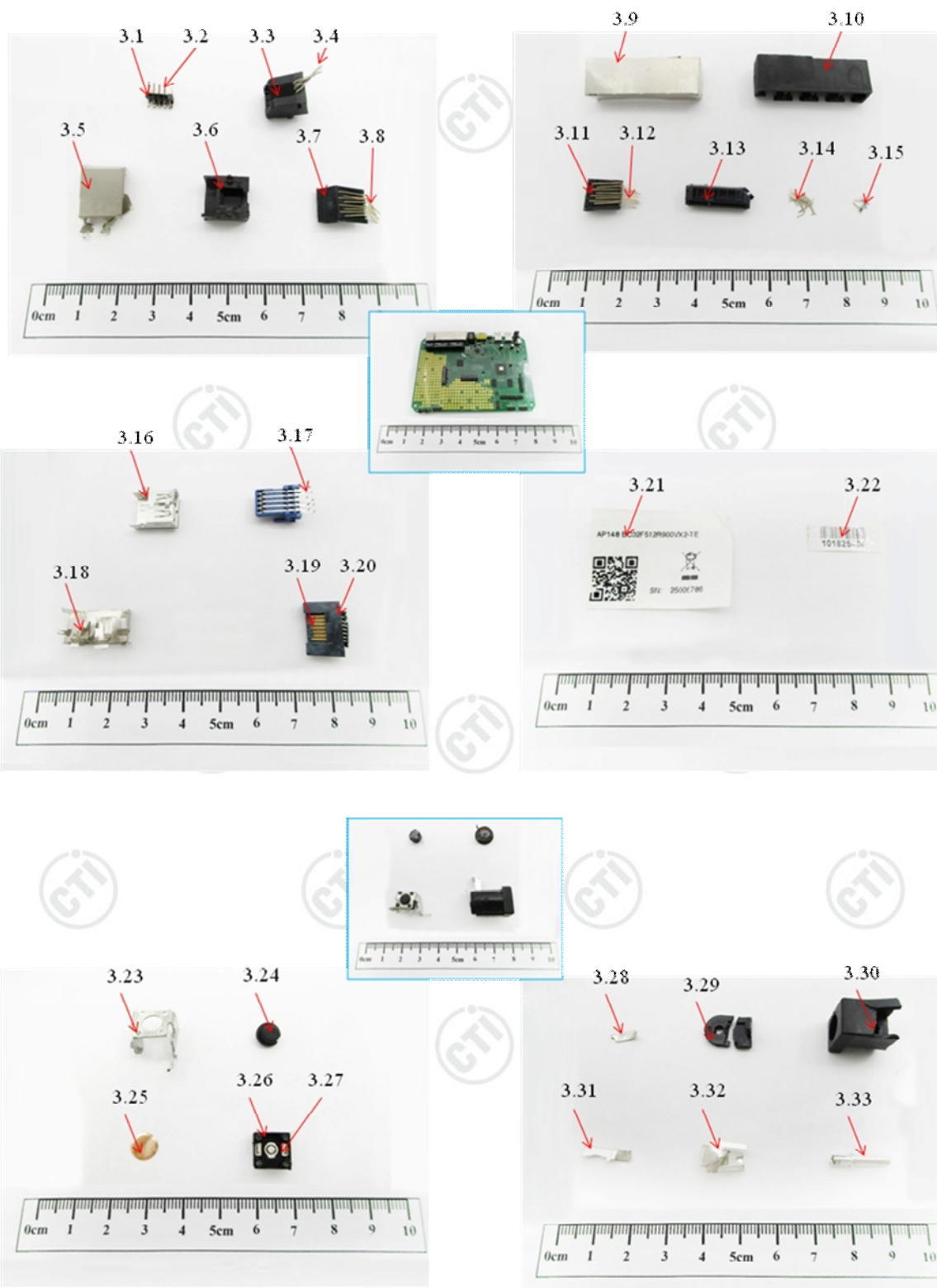




# Verification Report

Report No. ECL01I070650001R1

Page 42 of 57

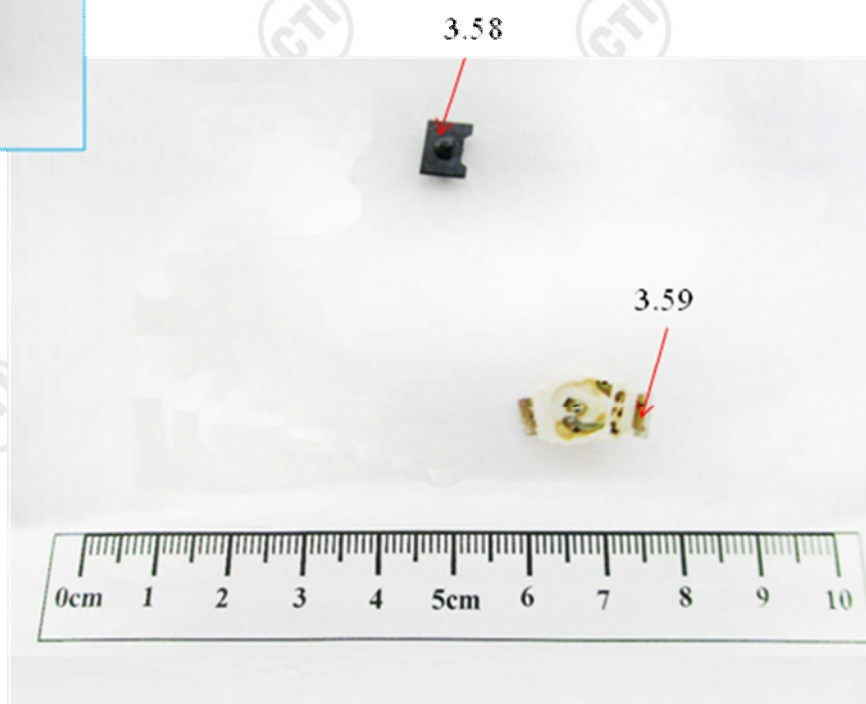




# Verification Report

Report No. ECL01I070650001R1

Page 44 of 57

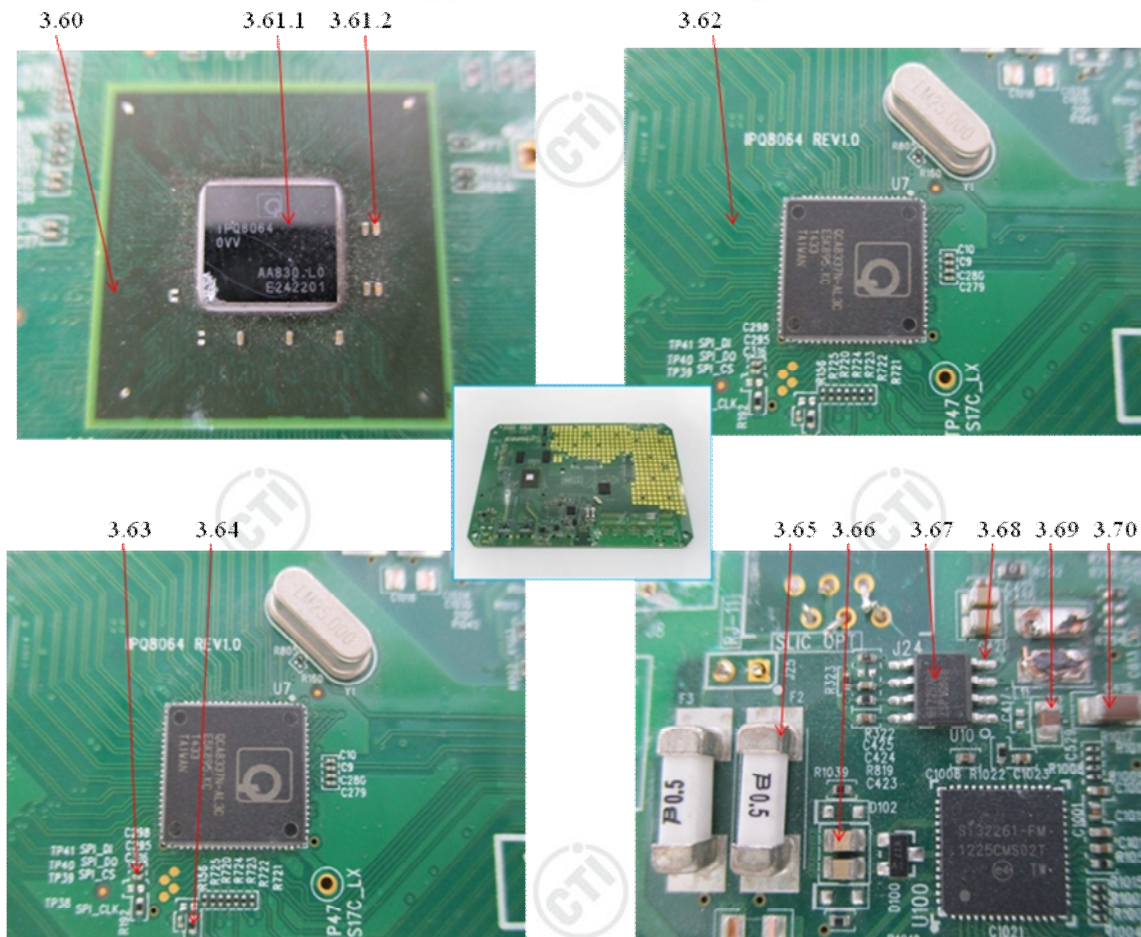




# Verification Report

Report No. ECL01I070650001R1

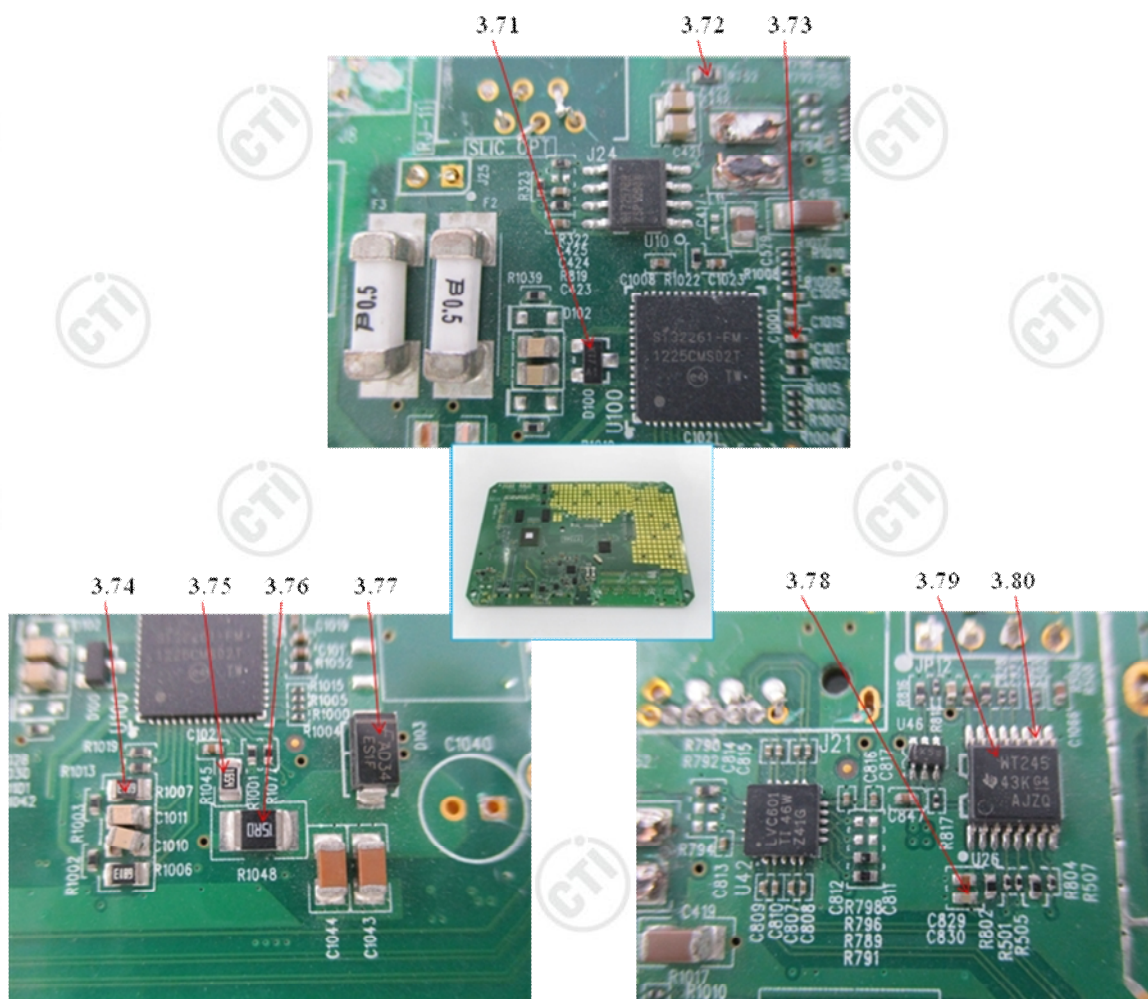
Page 45 of 57



# Verification Report

Report No. ECL01I070650001R1

Page 46 of 57



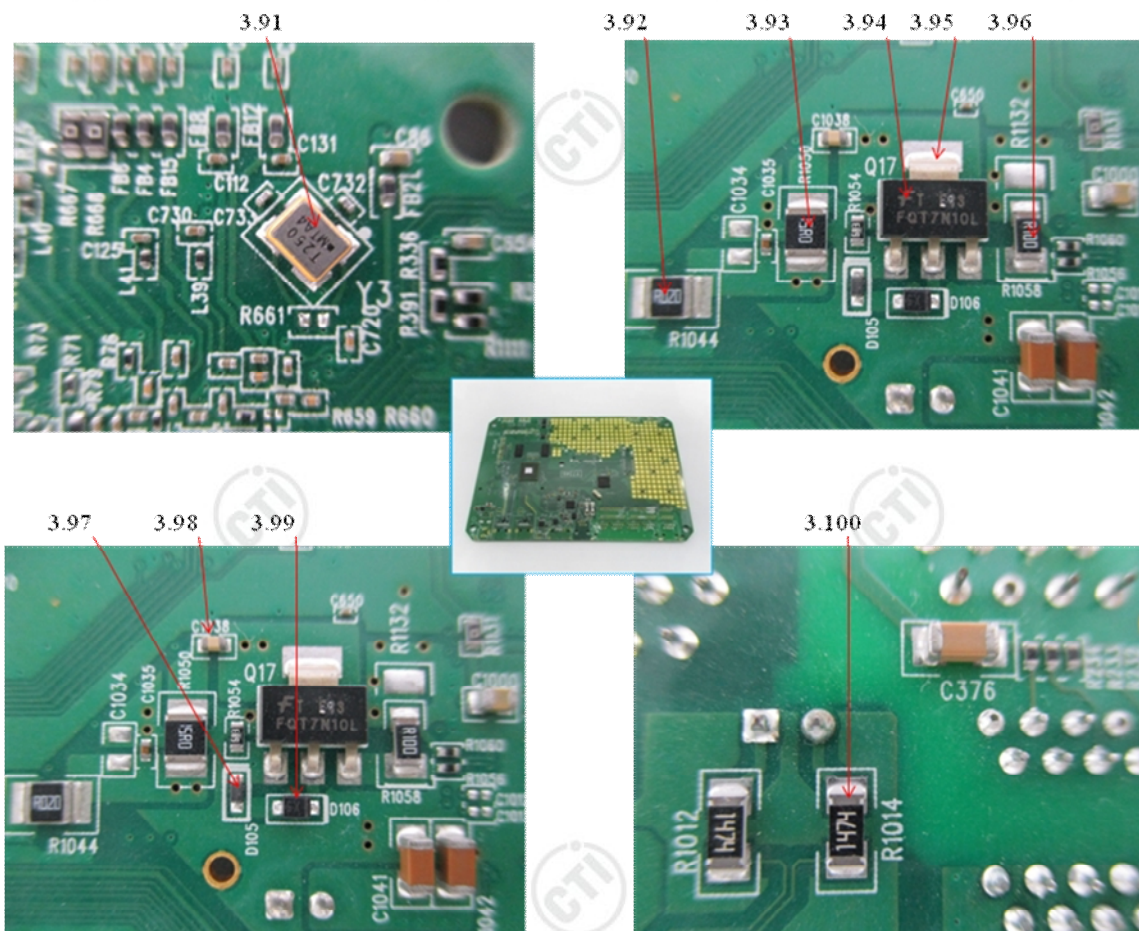




# Verification Report

Report No. ECL01I070650001R1

Page 48 of 57





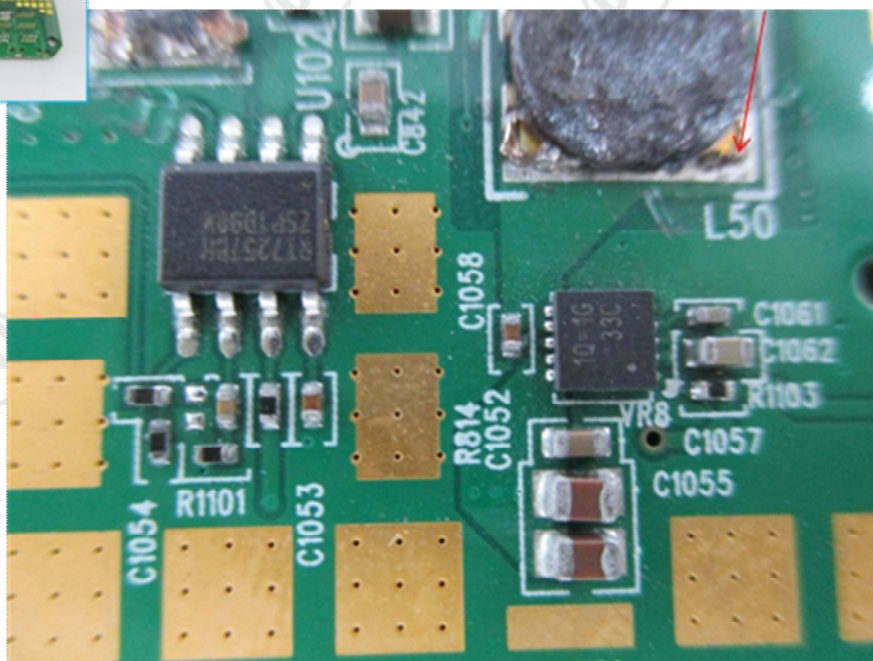
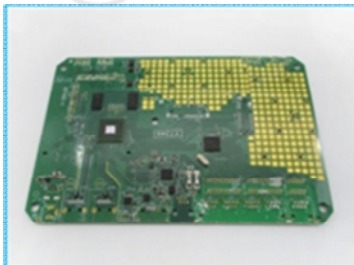




# Verification Report

Report No. ECL01I070650001R1

Page 50 of 57



# Verification Report

Report No. ECL01I070650001R1

Page 51 of 57

## Exempted Items of RoHS Directive

In accordance with Directive 2011/65/EU as amended, there are 41 exemption items in Annex III of 2011/65/EU altogether.

	Exemption	Scope and dates of applicability
1	Mercury in single capped (compact) fluorescent lamps not exceeding (per burner):	
1(a)	For general lighting purposes < 30 W: 5 mg	Expires on 31 December 2011; 3,5 mg may be used per burner after 31 December 2011 until 31 December 2012; 2,5 mg shall be used per burner after 31 December 2012.
1(b)	For general lighting purposes $\geq$ 30 W and < 50 W: 5 mg	Expires on 31 December 2011; 3,5 mg may be used per burner after 31 December 2011.
1(c)	For general lighting purposes $\geq$ 50 W and < 150 W: 5 mg	
1(d)	For general lighting purposes $\geq$ 150 W: 15 mg	
1(e)	For general lighting purposes with circular or square structural shape and tube diameter $\leq$ 17 mm	No limitation of use until 31 December 2011; 7 mg may be used per burner after 31 December 2011.
1(f)	For special purposes: 5 mg	
1(g)	For general lighting purposes < 30 W with a lifetime equal or above 20 000 h: 3,5 mg	Expires on 31 December 2017.
2(a)	Mercury in double-capped linear fluorescent lamps for general lighting purposes not exceeding (per lamp):	
2(a)(1)	Tri-band phosphor with normal lifetime and a tube diameter < 9 mm (e.g. T2): 5 mg	Expires on 31 December 2011; 4 mg may be used per lamp after 31 December 2011.
2(a)(2)	Tri-band phosphor with normal lifetime and a tube diameter $\geq$ 9 mm and $\leq$ 17 mm (e.g. T5): 5 mg	Expires on 31 December 2011; 3 mg may be used per lamp after 31 December 2011.
2(a)(3)	Tri-band phosphor with normal lifetime and a tube diameter > 17 mm and $\leq$ 28 mm (e.g. T8): 5 mg	Expires on 31 December 2011; 3,5 mg may be used per lamp after 31 December 2011.
2(a)(4)	Tri-band phosphor with normal lifetime and a tube diameter > 28 mm (e.g. T12): 5 mg	Expires on 31 December 2012; 3,5 mg may be used per lamp after 31 December 2012.
2(a)(5)	Tri-band phosphor with long lifetime ( $\geq$ 25 000 h): 8 mg	Expires on 31 December 2011; 5 mg may be used per lamp after 31 December 2011.
2(b)	Mercury in other fluorescent lamps not exceeding (per lamp):	
2(b)(1)	Linear halophosphate lamps with tube > 28 mm (e.g. T10 and T12): 10 mg	Expires on 13 April 2012.

# Verification Report

Report No. ECL01I070650001R1

Page 52 of 57

2(b)(2)	Non-linear halophosphate lamps (all diameters): 15 mg	Expires on 13 April 2016.
2(b)(3)	Non-linear tri-band phosphor lamps with tube diameter > 17 mm (e.g. T9)	No limitation of use until 31 December 2011; 15 mg may be used per lamp after 31 December 2011.
2(b)(4)	Lamps for other general lighting and special purposes (e.g. induction lamps).	No limitation of use until 31 December 2011; 15 mg may be used per lamp after 31 December 2011.
3	Mercury in cold cathode fluorescent lamps and external electrode fluorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):	
3(a)	Short length ( $\leq 500$ mm)	No limitation of use until 31 December 2011; 3,5 mg may be used per lamp after 31 December 2011.
3(b)	Medium length ( $> 500$ mm and $\leq 1\,500$ mm)	No limitation of use until 31 December 2011; 5 mg may be used per lamp after 31 December 2011.
3(c)	Long length ( $> 1500$ mm)	No limitation of use until 31 December 2011; 13 mg may be used per lamp after 31 December 2011.
4(a)	Mercury in other low pressure discharge lamps (per lamp).	No limitation of use until 31 December 2011; 15 mg may be used per lamp after 31 December 2011.
4(b)	Mercury in High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner) in lamps with improved colour rendering index $R_a > 60$ :	
4(b)-I	$P \leq 155$ W	No limitation of use until 31 December 2011; 30 mg may be used per burner after 31 December 2011.
4(b)-II	$155\text{ W} < P \leq 405\text{ W}$	No limitation of use until 31 December 2011; 40 mg may be used per burner after 31 December 2011.
4(b)-III	$P > 405$ W	No limitation of use until 31 December 2011; 40 mg may be used per burner after 31 December 2011.
4(c)	Mercury in other High Pressure Sodium (vapour) lamps for general lighting purposes not exceeding (per burner):	
4(c)-I	$P \leq 155$ W	No limitation of use until 31 December 2011; 25 mg may be used per burner after 31 December 2011.

# Verification Report

Report No. ECL01I070650001R1

Page 53 of 57

4(c)-II	155 W < P ≤ 405 W	No limitation of use until 31 December 2011; 30 mg may be used per burner after 31 December 2011.
4(c)-III	P > 405 W	No limitation of use until 31 December 2011; 40 mg may be used per burner after 31 December 2011.
4(d)	Mercury in High Pressure Mercury (vapour) lamps (HPMV).	Expires on 13 April 2015.
4(e)	Mercury in metal halide lamps (MH)	
4(f)	Mercury in other discharge lamps for special purposes not specifically mentioned in this Annex.	
4(g)	Mercury in hand crafted luminous discharge tubes used for signs, decorative or architectural and specialist lighting and light-artwork, where the mercury content shall be limited as follows: (a) 20 mg per electrode pair + 0,3 mg per tube length in cm ,but not more than 80 mg, for outdoor applications and indoor applications exposed to temperatures below 20°C; (b) 15 mg per electrode pair + 0,24 mg per tube length in cm, but not more than 80 mg, for all other indoor applications.	Expires on 31 December 2018.
5(a)	Lead in glass of cathode ray tubes.	
5(b)	Lead in glass of fluorescent tubes not exceeding 0,2 % by weight.	
6(a)	Lead as an alloying element in steel for machining purposes and in galvanized steel containing up to 0,35 % lead by weight.	
6(b)	Lead as an alloying element in aluminium containing up to 0,4 % lead by weight.	
6(c)	Copper alloy containing up to 4% lead by weight.	
7(a)	Lead in high melting temperature type solders (i.e. lead- based alloys containing 85 % by weight or more lead).	
7(b)	Lead in solders for servers, storage and storage array systems, network infrastructure equipment for switching, signalling, transmission, and network management for telecommunications.	



# Verification Report

Report No. ECL01I070650001R1

Page 54 of 57

7(c)-I	Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.	
7(c)-II	Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher.	
7(c)-III	Lead in dielectric ceramic in capacitors for a rated voltage of less than 125 V AC or 250 V DC.	Expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013.
7(c)-IV	Lead in PZT based dielectric ceramic materials for capacitors being part of integrated circuits or discrete semiconductors.	
8(a)	Cadmium and its compounds in one shot pellet type thermal cut-offs.	Expires on 1 January 2012 and after that date may be used in spare parts for EEE placed on the market before 1 January 2012.
8(b)	Cadmium and its compounds in electrical contacts.	
9	Hexavalent chromium as an anticorrosion agent of the carbon steel cooling system in absorption refrigerators up to 0,75 % by weight in the cooling solution.	
9(b)	Lead in bearing shells and bushes for refrigerant-containing compressors for heating, ventilation, air conditioning and refrigeration (HVACR) applications.	
11(a)	Lead used in C-press compliant pin connector systems.	May be used in spare parts for EEE placed on the market before 24 September 2010.
11(b)	Lead used in other than C-press compliant pin connector systems.	Expires on 1 January 2013 and after that date may be used in spare parts for EEE placed on the market before 1 January 2013.
12	Lead as a coating material for the thermal conduction module C-ring.	May be used in spare parts for EEE placed on the market before 24 September 2010.
13(a)	Lead in white glasses used for optical applications.	
13(b)	Cadmium and lead in filter glasses and glasses used for reflectance standards.	
14	Lead in solders consisting of more than two elements for the connection between the pins and the package of microprocessors with a lead content of more than 80 % and less than 85 % by weight.	Expires on 1 January 2011 and after that date may be used in spare parts for EEE placed on the market before 1 January 2011.



# Verification Report

Report No. ECL01I070650001R1

Page 55 of 57

15	Lead in solders to complete a viable electrical connection between semiconductor die and carrier within integrated circuit flip chip packages.	
16	Lead in linear incandescent lamps with silicate coated tubes.	Expires on 1 September 2013.
17	Lead halide as radiant agent in high intensity discharge (HID) lamps used for professional reprography applications.	
18(a)	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as speciality lamps for diazoprinting reprography, lithography, insect traps, photochemical and curing processes containing phosphors such as SMS ((Sr,Ba) <sub>2</sub> MgSi <sub>2</sub> O <sub>7</sub> :Pb).	Expires on 1 January 2011.
18(b)	Lead as activator in the fluorescent powder (1 % lead by weight or less) of discharge lamps when used as sun tanning lamps containing phosphors such as BSP (BaSi <sub>2</sub> O <sub>5</sub> :Pb).	
19	Lead with PbBiSn-Hg and PbInSn-Hg in specific compositions as main amalgam and with PbSn-Hg as auxiliary amalgam in very compact energy saving lamps (ESL).	Expires on 1 June 2011.
20	Lead oxide in glass used for bonding front and rear substrates of flat fluorescent lamps used for Liquid Crystal Displays (LCDs).	Expires on 1 June 2011.
21	Lead and cadmium in printing inks for the application of enamels on glasses, such as borosilicate and soda lime glasses.	
23	Lead in finishes of fine pitch components other than connectors with a pitch of 0, 65 mm and less.	May be used in spare parts for EEE placed on the market before 24 September 2010.
24	Lead in solders for the soldering to machined through hole discoidal and planar array ceramic multilayer capacitors.	
25	Lead oxide in surface conduction electron emitter displays (SED) used in structural elements, notably in the seal frit and frit ring.	
26	Lead oxide in the glass envelope of black light blue lamps.	Expires on 1 June 2011.
27	Lead alloys as solder for transducers used in high-powered (designated to operate for several hours at acoustic power levels of 125 dB SPL and above) loudspeakers.	Expired on 24 September 2010.

# Verification Report

Report No. ECL01I070650001R1

Page 56 of 57

29	Lead bound in crystal glass as defined in Annex I (Categories 1, 2, 3 and 4) of Council Directive 69/493/EEC.	
30	Cadmium alloys as electrical/mechanical solder joints to electrical conductors located directly on the voice coil in transducers used in high-powered loudspeakers with sound pressure levels of 100 dB (A) and more.	
31	Lead in soldering materials in mercury free flat fluorescent lamps (which e.g. are used for liquid crystal displays, design or industrial lighting).	
32	Lead oxide in seal frit used for making window assemblies for Argon and Krypton laser tubes.	
33	Lead in solders for the soldering of thin copper wires of 100 µm diameter and less in power transformers.	
34	Lead in cermet-based trimmer potentiometer elements.	
36	Mercury used as a cathode sputtering inhibitor in DC plasma displays with a content up to 30 mg per display.	Expired on 1 July 2010.
37	Lead in the plating layer of high voltage diodes on the basis of a zinc borate glass body.	
38	Cadmium and cadmium oxide in thick film pastes used on aluminium bonded beryllium oxide.	
39	Cadmium in colour converting II-VI LEDs (< 10 µg Cd per mm <sup>2</sup> of light-emitting area) for use in solid state illumination or display systems.	Expires on 1 July 2014.
40	Cadmium in photoresistors for analogue optocouplers applied in professional audio equipment.	Expires on 31 December 2013.
41	Lead in solders and termination finishes of electrical and electronic components and finishes of printed circuit boards used in ignition modules and other electrical and electronic engine control systems, which for technical reasons must be mounted directly on or in the crankcase or cylinder of hand-held combustion engines (classes SH:1, SH:2, SH:3 of Directive 97/68/EC of the European Parliament and of the Council.	Expires on 31 December 2018.

# Verification Report

Report No. ECL01I070650001R1

Page 57 of 57

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

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.