

Test Report

Report No.:RSNB10090240231003-1

Page 1 of 6

Applicant :G-NOR Optoelectronics Co., Ltd (MCD)

Address :Wanshi xufujia NO.77 Zhuangshi Street Zhenhai District Ningbo City

Report on the submitted sample(s) said to be:

Sample Name :LED Lamp
 Sample Description :1.LED lamp red body 2.LED lamp pin
 Part No. :MCDL-314LYC
 Sample Received Date :Sep. 02, 2010
 Testing Period :Sep. 02, 2010 to Sep. 07, 2010

Test Requested :1.As specified by client, to determine the Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs&PBDEs content in the submitted sample.
 2.As specified by client, to identify if there is the Hexavalent Chromium in the submitted sample.

Test Method :

Tested Item(s)	Test Method	Measured Equipment(s)	MDL
Lead (Pb)	IEC 62321:2008 Ed.1 Sec.10	ICP-OES	2 mg/kg
	IEC 62321:2008 Ed.1 Sec.9		
Cadmium (Cd)	IEC 62321:2008 Ed.1 Sec.10	ICP-OES	2 mg/kg
	IEC 62321:2008 Ed.1 Sec.9		
Mercury (Hg)	IEC 62321:2008 Ed.1 Sec.7	ICP-OES	2 mg/kg
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	2 mg/kg
	IEC 62321:2008 Ed.1 Annex B		/
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS	5 mg/kg

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

Tested by



Inspected by



Approved by



Date

Sep. 07, 2010

Technical Manager

Test Report

Report No.:RSNB10090240231003-1

Page 2 of 6

Test Result(s):

Tested Item(s)	Content	
	1	2
Lead (Pb)	N.D.	N.D.
Cadmium (Cd)	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.
Hexavalent Chromium (Cr(VI))	N.D.	/

Tested Item(s)	Conclusion
	2
Hexavalent Chromium (Cr(VI))	Negative

Note: -Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling - water-extraction solution is less than 0.02 mg/kg with 50cm² sample surface area used

Test Report

Report No.:RSNB10090240231003-1

Page 3 of 6

Test Result(s):

Tested Item(s)	Content
	1
Polybrominated Biphenyls(PBBs)	
Monobromobiphenyl	N.D.
Dibromobiphenyl	N.D.
Tribromobiphenyl	N.D.
Tetrabromobiphenyl	N.D.
Pentabromobiphenyl	N.D.
Hexabromobiphenyl	N.D.
Heptabromobiphenyl	N.D.
Octabromobiphenyl	N.D.
Nonabromobiphenyl	N.D.
Decabromobiphenyl	N.D.
Polybrominated Diphenyl Ethers(PBDEs)	
Monobromodiphenyl ether	N.D.
Dibromodiphenyl ether	N.D.
Tribromodiphenyl ether	N.D.
Tetrabromodiphenyl ether	N.D.
Pentabromodiphenyl ether	N.D.
Hexabromodiphenyl ether	N.D.
Heptabromodiphenyl ether	N.D.
Octabromodiphenyl ether	N.D.
Nonabromodiphenyl ether	N.D.
Decabromodiphenyl ether	N.D.

Note: The sample had been dissolved totally tested for Lead, Cadmium, Mercury.

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

Among the report, result consults the testing result reporting that RSNB10090240231001.

Test Report

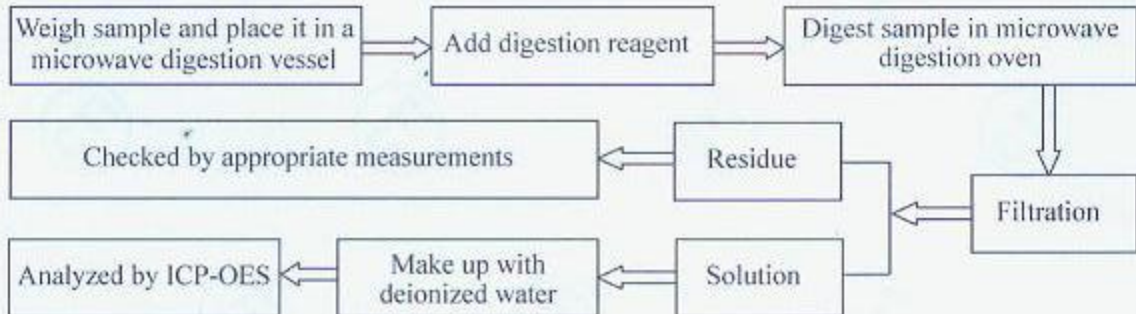
Report No.:RSNB10090240231003-1

Page 4 of 6

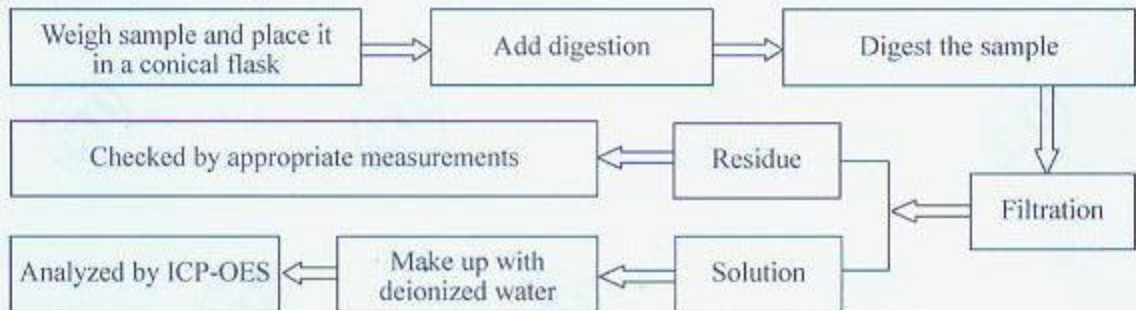
Test Process :

1. Test for Pb/Cd Content

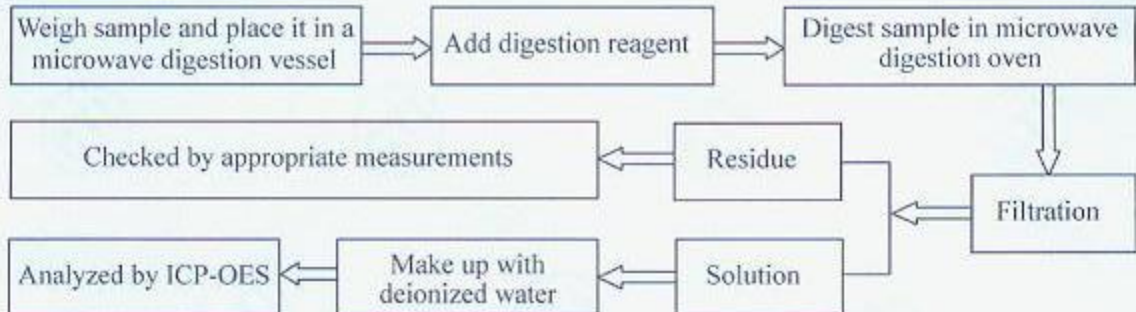
(1)IEC 62321:2008 Ed.1 Sec.10



(2)IEC 62321:2008 Ed.1 Sec.9



2. Test for Hg Content



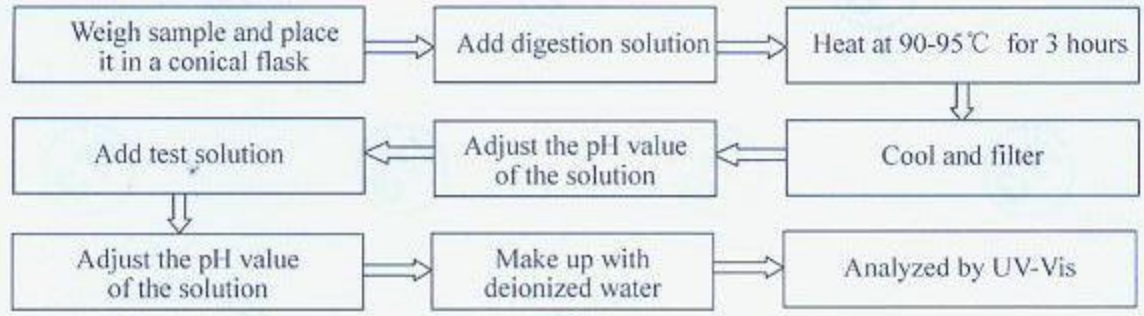
Test Report

Report No.:RSNB10090240231003-1

Page 5 of 6

3. Test for Chromium(VI) Content

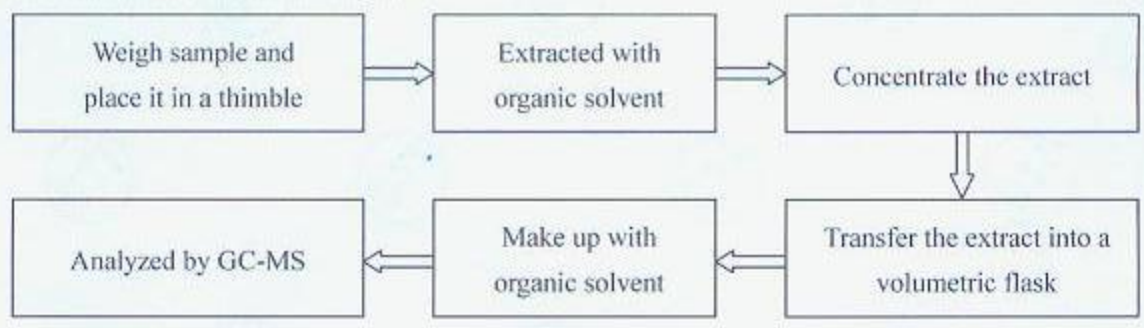
(1) IEC 62321:2008 Ed.1 Annex C



(2) IEC 62321:2008 Ed.1 Annex B



4. Test for PBBs /PBDEs Content

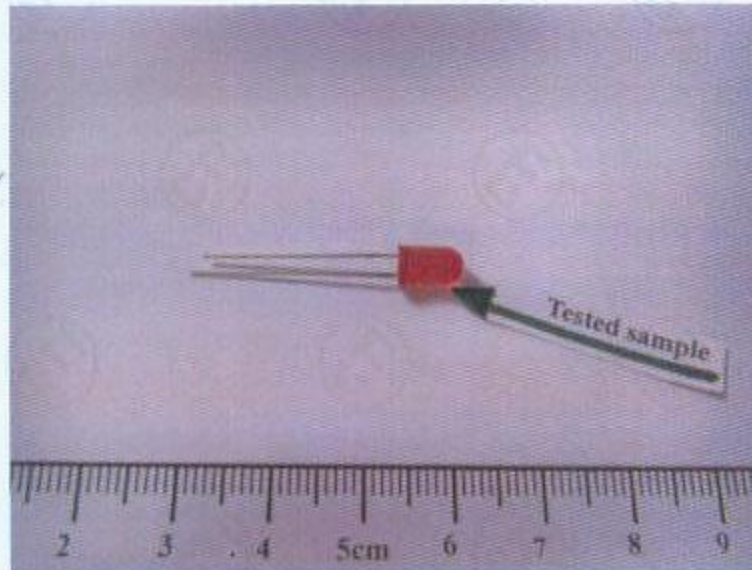


Test Report

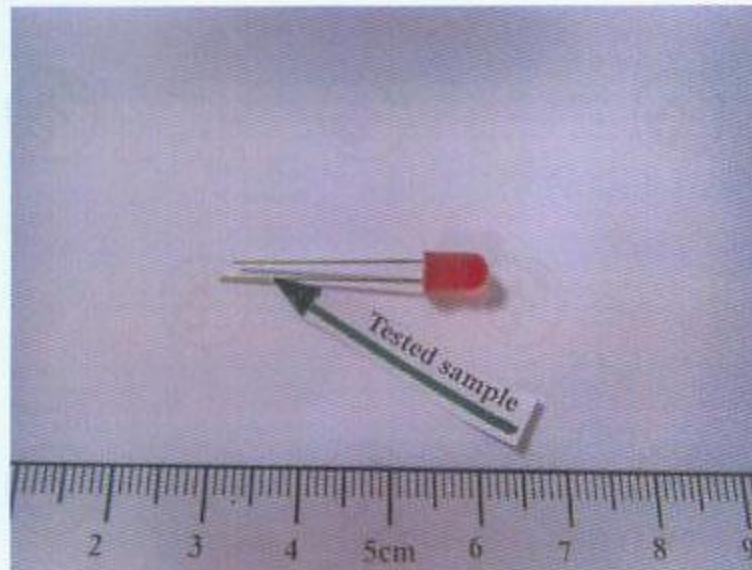
Report No.:RSNB10090240231003-1

Page 6 of 6

Photo(s) of the sample(s)



1



2

*** End of report ***

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