



No. SZR170406002001		Date: Apr. 07, 2017	Page 1 of 5
Applicant	,'°°',	SHENZHEN LEPOWER OPTO ELECTRO	NICS CORP.,LTD
Address	- Pu	3-5 Floors,Bldg B,Chuangfu Science Tech No.202,Shangwu Community,Shiyan St,Ba	10%
The submitted sample and s	am	ple information was/were submitted and	
of the client Sample name	,e ^k	EMC3535	
Type /model	Anto	LY-CMDA0050102B2345(Main test), LY-R LY-GMDA005010XXX / LY-BMDA005010) LY-OMDA005010XXX / LY-YMDA005010)	XXX /
Sample received date	:	Apr. 06, 2017	
Testing period	, ve'	Apr. 06, 2017 to Apr. 07, 2017	
Test requested		As specified by client, to test the Lead(Pb)	, Cadmium(Cd),
		Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated
		Biphenyl(PBBs) and Polybrominated Diphe submitted sample.	enyl Ethers (PBDEs) in the

According to California lighting efficiency and toxics reduction act, Assembly Bill 1109 (AB 1109)

Test Method:

Tested Item(s)	Test Method	Measured Equipment(s)	MDL Unit (mg/kg)
Lead(Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2 0
Cadmium(Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2
Mercury(Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES	2
Hexavalent Chromium(Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis	2
Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015 Ed.1.0	GC-MS	5
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015 Ed.1.0	GC-MS	5

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

Tested by Workan . Lin

Inspected by

Shenzhen Anbotek Compliance Laboratory Limited

Address: East of 4/F, Building A, Hourui No.3 Industrial Zone, Xixiang Street, Bao'an District, Shenzhen, Guangdong, China Tel:(86)755–26066061 Fax:(86)755–26066021 Email:service@anbotek.com



Anbola



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Tested Sample/Part Description:

A* Overall mixed

Test Result(s):

Tested Item(s)	Result Unit (mg/kg)	Limit Unit (mg/kg)
And tek Anbotek Anbotek	A*otek A*	
Lead (Pb)	N.D.	1000
Cadmium (Cd)	N.D.	100
Mercury (Hg)	N.D.	1000
Hexavalent Chromium (Cr(VI))	N.D.	1000

Tested Item(s)	Result Unit (mg/kg) A*	Limit Unit (mg/kg)	
Polybrominated Biphenyls(PBBs)	N.D.	1000	
Monobromobiphenyl	N.D.	tek anotek Al	
Dibromobiphenyl	N.D.	tek - potek	
Tribromobiphenyl	N.D.	tek - spotek	
Tetrabromobiphenyl	N.D.	Anbor - put - potek	
Pentabromobiphenyl	N.D.	Anbo Anbo	
Hexabromobiphenyl	N.D.	Anbor ok	
Heptabromobiphenyl	N.D.	lek Aupor Au	
Octabromobiphenyl	N.D.	ootek habor	
Nonabromobiphenyl	N.D.	botek -Anbore	
Decabromobiphenyl	N.D.	potek - Anbore	
Polybrominated Diphenyl Ethers(PBDEs)	N.D.	1000	
Monobromodiphenyl ether	N.D.	K NOR AND	
Dibromodiphenyl ether	N.D.	Ann otek	
Tribromodiphenyl ether	N.D.	oro Anto	
Tetrabromodiphenyl ether	N.D.	Anbore Anbo	

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Tested Item(s)	Result Unit (mg/kg)	Limit Unit (mg/kg)	
ek spoter Anbo A. stek	A*		
Pentabromodiphenyl ether	N.D.	hotek - hobotek	
Hexabromodiphenyl ether	N.D. Moore	Ann otek - Anbotek	
Heptabromodiphenyl ether	N.D.	And	
Octabromodiphenyl ether	N.D.	And tek	
Nonabromodiphenyl ether	N.D.	er Aup-	
Decabromodiphenyl ether	N.D.	potek 1200	

Note:

-MDL = Method Detection Limit

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

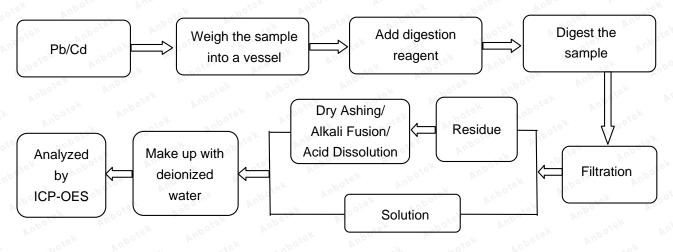
-mg/kg = ppm = parts per million

-A* = According to the applicant's request, the admixture of specimen A is tested as a whole. The testing results of specimen A may be different from that of any sole material in specimen A.

Test Process:

The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

◆ IEC 62321-5:2013 Ed.1.0



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No. SZR170406002001 Date: Apr. 07, 2017 Page 4 of 5 IEC 62321-4:2013 Ed.1.0 Weigh sample and Digest sample in Add digestion place it in a microwave digestion microwave Hg reagent digestion oven vessel Dry Ashing/ Residue Alkali Fusion/ Make up with Acid Dissolution Analyzed Filtration deionized by **ICP-OES** water Solution IEC 62321:2008 Ed.1 Annex C Weigh sample Add digestion Heat at 90-95℃for and place it in a Cr(VI) reagent 3 hours conical flask Adjust the pH value Add test Adjust the pH value Cool and filter solution of the solution of the solution Analyzed Make up with by UV-Vis deionized water IEC 62321-6:2015 Ed.1.0 Weigh sample Concentrate the Extracted with **PBBs/PBDEs** and place it in a extract organic solvent thimble Transfer the extract Make up with Analyzed organic solvent into a volumetric flask by GC-MS

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Appendix

The below information is provided by client:

This type of lamp bead is applied to below lamp model No .:

110354、110367、110549、110537、74150、110539、110550、110551、110540、74298、74301、 73599、74151、73646、74152、74153、72118、72303、110552、74288、72184、34207、72947、72862、 72863、72864、72865、72866、74218、74279、110534、73337、73533、73581、73657、74112、74175、 74538、74540、75520、75522、75524、110552、74288、74937、74936、73112、70619、72288、110654、 110653、110655、110656、110657



Photograph of Sample

***** 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 Anbotek, this report can't be reproduced except in full.

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