



Page 1 of 10

ApplicantLIAONING DIYA ELECTRONIC CO.,LTDAddressNORTH 3.ROAD 12.THE EAST OF ROAD C ECONOMIC DEVELOPMENT ZONE
FUXIN LIAONING CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name	Polyester Film Capaci	tor-Box Type					
	Polypropylene Film C	apacitor- Box Type					
Part No.	1.Film	2.Sisc(Pb Free), A	AL、BaSnSbCu				
	3.Leads	4.Epoxy Resin	5.Epoxy Resin				
	6.Epoxy Resin	7.Epoxy Resin	8.Epoxy Resin				
	9.Epoxy Resin	10.Plastic Box	11.Plastic Box				
	12.Plastic Box	13.Plastic Box					
Sample Received Date	Jun. 19, 2014						
Testing Period	Jun. 19, 2014 to Jun. 2	un. 19, 2014 to Jun. 25, 2014					

As specified by client, to test Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs) in the submitted sample(s).

Test Method	Measured
Test Method	Equipment(s)
IEC 62321-5:2013 Ed.1.0	ICP-OES
IEC 62321-5:2013 Ed.1.0	ICP-OES
IEC 62321-4:2013 Ed.1.0	ICP-OES
IEC 62321:2008 Ed.1 Annex B	UV-Vis
IEC 62321:2008 Ed.1 Annex C UV-Vis	
IEC 62321:2008 Ed.1 Annex A	GC-MS
IEC 62321:2008 Ed.1 Annex A	GC-MS
	IEC 62321-5:2013 Ed.1.0 IEC 62321-4:2013 Ed.1.0 IEC 62321:2008 Ed.1 Annex B IEC 62321:2008 Ed.1 Annex C IEC 62321:2008 Ed.1 Annex A

Test Result(s)

Test Requested

Please refer to the following page(s).

Tested by Wang 1en Allen Wang **Fechnical Manager** Centre Testing International (Tianjin) Co., Ltd.

Andy Chang Reviewed by

Date

Jun. 25, 2014

No. R142867820 No.99, Xianfeng East Road, Dongli District, Tianjin, China







Page 2 of 10

Test Result(s)

Tested Item(s)	Result					MDL
	1	2	3	4	5	MDL
Lead (Pb)	N.D.	N.D.	N.D.	10 mg/kg	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	2 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	2 mg/kg
Hexavalent Chromium	N.D.		10	N.D.	N.D.	2 mg/kg
(Cr(VI))		Negative	Negative		-6	/
	Result					MDL
Tested Item(s)	1	2	3	4	5	-
Polybrominated Biphenyls(PBBs)					1
Monobromobiphenyl	N.D.		/	N.D.	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	1	/	N.D.	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	/	/	N.D.	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	/	/	N.D.	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	/	1	N.D.	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	/	1	N.D.	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	/	1	N.D.	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	/	/	N.D.	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.		/	N.D.	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	1	/	N.D.	N.D.	5 mg/kg
Polybrominated Diphenyl E	thers(PBD	DEs)		e e		
Monobromodiphenyl ether	N.D.	/	/	N.D.	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	/	/	N.D.	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	/	1	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	/	1	N.D.	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	/	/	N.D.	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	/	/	N.D.	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.		/	N.D.	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.		/	N.D.	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.		/	N.D.	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	/	/	N.D.	N.D.	5 mg/kg







Page 3 of 10

Test Result(s)

Tested Item(s)	Result					MDT
	6	7	8	9	10	MDL
Lead (Pb)	N.D.	10 mg/kg	N.D.	N.D.	7 mg/kg	2 mg/kg
Cadmium (Cd)	N.D.	N.D.	2 mg/kg	N.D.	N.D.	2 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	2 mg/kg
Hexavalent Chromium	N.D.	N.D.	N.D.	N.D.	N.D.	2 mg/kg
(Cr(VI))		—	68		-0	/
\odot	Result					MDL
Tested Item(s)	6	7	8	9	10	
Polybrominated Biphenyls(PBBs)				2	
Monobromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Polybrominated Diphenyl H	Ethers(PBI	DEs)		Q		
Monobromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	N.D.	5 mg/kg

CENTRE TESTING INTERNATIONAL CORPORATION Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com

E-mail:info@cti-cert.com

Hotline 400-6788-333

www.cti-cert.com





Page 4 of 10

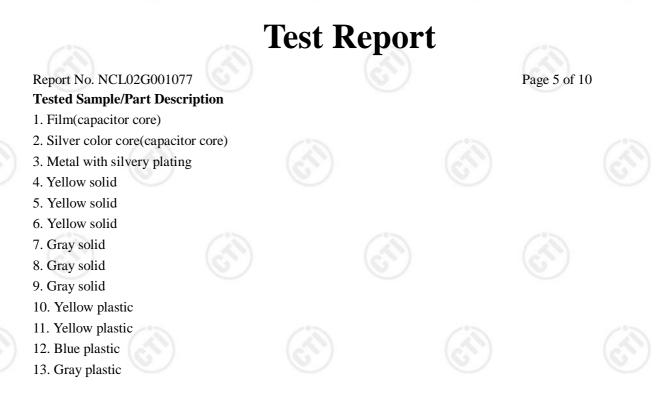
Test Result(s)

Tested Item(s)		— MDL		
resteu riem(s)	11	12	13	MDL
Lead (Pb)	6 mg/kg	N.D.	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg
Hexavalent Chromium	N.D.	N.D.	N.D.	2 mg/kg
(Cr(VI))	(A)			/
	Result			MDL
Tested Item(s)	11	12	13	
Polybrominated Biphenyls((PBBs)			
Monobromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Polybrominated Diphenyl I	Ethers(PBDEs)			
Monobromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg









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

-MDL = Method Detection Limit

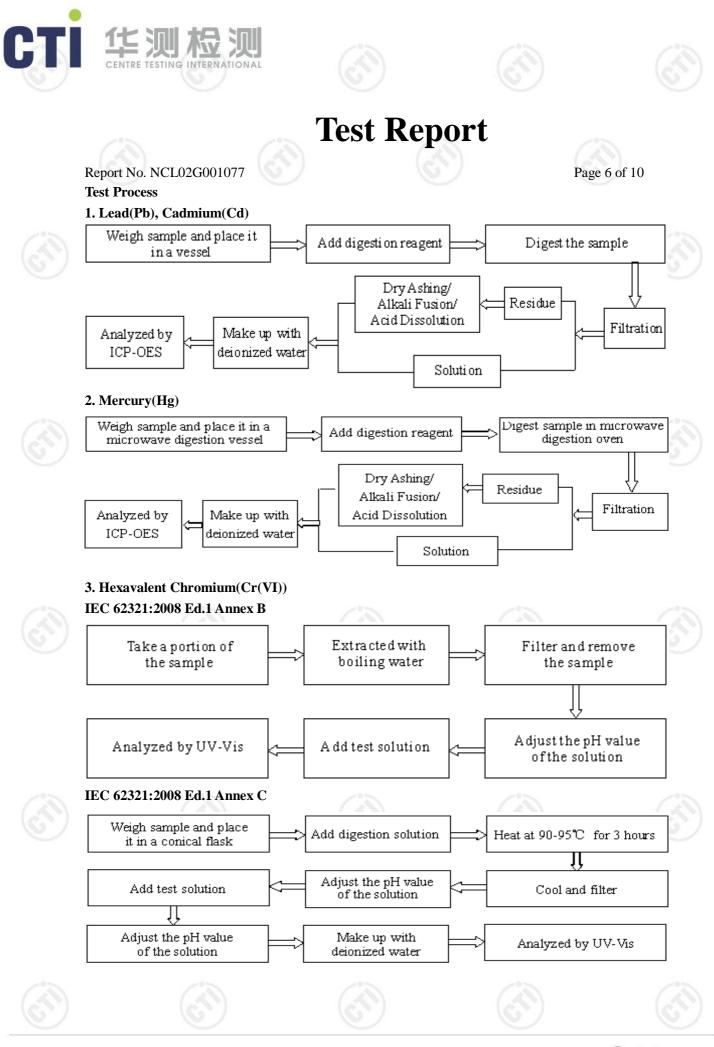
-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

-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.







CENTRE TESTING INTERNATIONAL CORPORATION Complaint call: 0755-33681700

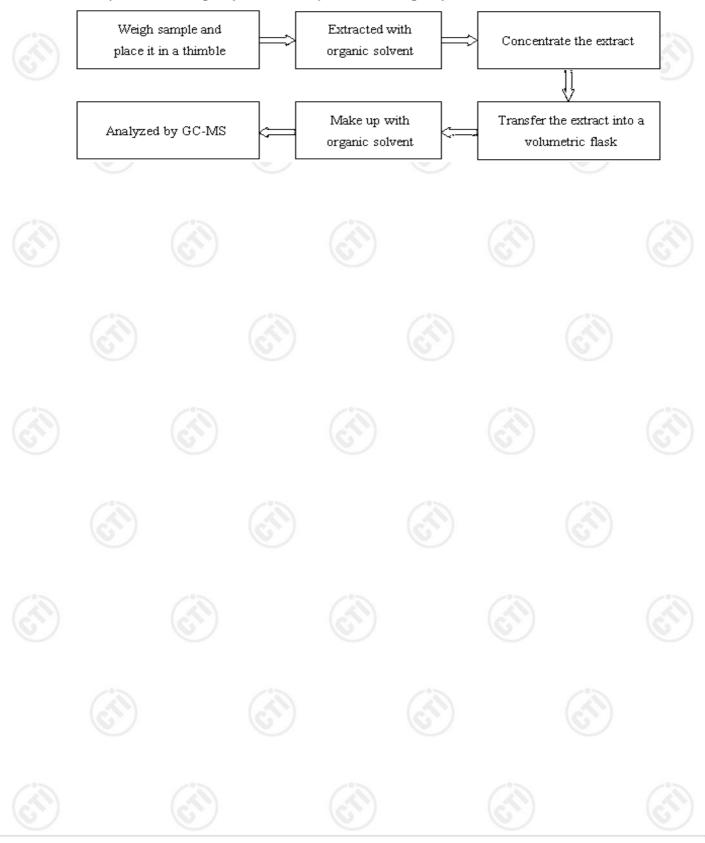
Complaint E-mail: complaint@cti-cert.com



Report No. NCL02G001077

Page 7 of 10

4. Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs)





Report No. NCL02G001077

Page 8 of 10

Photo(s) of the sample(s)





Complaint call: 0755-33681700



Complaint E-mail: complaint@cti-cert.com





Report No. NCL02G001077

Page 9 of 10

Photo(s) of the sample(s)



CENTRE TESTING INTERNATIONAL CORPORATION Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com

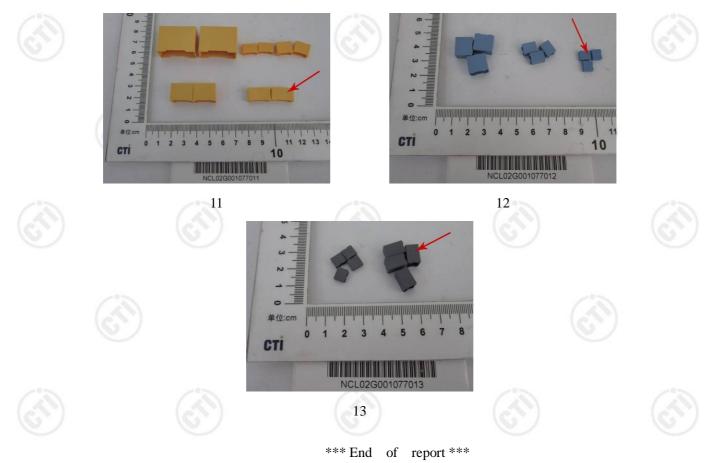




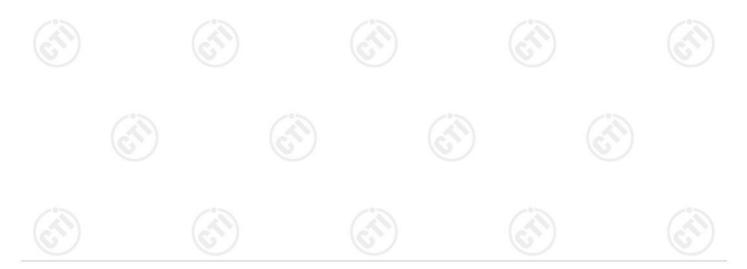
Report No. NCL02G001077

Page 10 of 10

Photo(s) of the sample(s)



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.



CENTRE TESTING INTERNATIONAL CORPORATION Complaint call: 0755-33681700 Complaint E-mail: complaint@cti-cert.com

E-mail:info@cti-cert.com

Hotline

www.cti-cert.com

400-6788-333