



Report No. NCL02H003750

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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 Capacitor- Box Type					
	Polypropylene Film Capacitor- Box Type					
Material	1.Film	2.Sisc(Pb Free)、A	L、BaSnSbCu			
	3.Leads	4.Epoxy Resin	5.Epoxy Resin			
	6.Epoxy Resin	7.Epoxy Resin	8.Epoxy Resin			
	9.Plastic Box	10.Plastic Box	11.Plastic Box			
	12.Plastic Box	13.Plastic Box				
Sample Received Date	Jun. 15, 2015					
Testing Period	Jun. 15, 2015 to Jun. 18, 2015					

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).

Tested Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES
Mercury (Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES
	IEC 62321:2008 Ed.1 Annex B	111/17
Hexavalent Chromium (Cr(VI))	IEC 62321:2008 Ed.1 Annex C	UV-Vis
Polybrominated Biphenyls (PBBs)	IEC 62321:2008 Ed.1 Annex A	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321:2008 Ed.1 Annex A	GC-MS

Test Result(s)

Test Requested

Please refer to the following page(s).

Tested by 7100 Allen Wang **Fechnical Manager** Centre Testing International (Tianjin) Co., Ltd.

Reviewed by

Date

Jun. 18, 2015

No. R216458021 No.99, Xianfeng East Road, Dongli District, Tianjin, China

CENTRE TESTING INTERNATIONAL CORPORATION

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Tostad Itam(a)	Result				MDL	
Tested Item(s)	1	2	3	4	5	
Lead (Pb)	N.D.	10 mg/kg	N.D.	N.D.	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.	_		N.D.	N.D.	2 mg/kg
(Cr(VI))		Negative	Negative	_	-6	/
Tested Item(s)	Result					
	1	2	3	4	5	MDL
Polybrominated Biphenyls(PBBs)		· · · · · ·			
Monobromobiphenyl	N.D.		—	N.D.	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	6	—	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.	_	13	N.D.	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	_	6	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.	75	—	N.D.	N.D.	5 mg/kg
Decabromobiphenyl	N.D.		—	N.D.	N.D.	5 mg/kg
Polybrominated Diphenyl E	thers(PBI	DEs)	· · · · · ·	Y		
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.	_	FN	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	_	5	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.	(8)	—	N.D.	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	\sim	—	N.D.	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	_		N.D.	N.D.	5 mg/kg







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Result Tested Item(s) MDL 9 6 8 7 N.D. N.D. N.D. N.D. Lead (Pb) 2 mg/kg N.D. Cadmium (Cd) N.D. N.D. N.D. 2 mg/kg Mercury (Hg) N.D. N.D. N.D. N.D. 2 mg/kgN.D. N.D. N.D. N.D. Hexavalent Chromium 2 mg/kg -(Cr(VI))_ ____ / Result MDL **Tested Item(s)** 7 8 9 6 Polybrominated Biphenyls(PBBs) Monobromobiphenyl N.D. N.D. N.D. N.D. 5 mg/kg N.D. N.D. N.D. N.D. Dibromobiphenyl 5 mg/kg N.D. N.D. N.D. Tribromobiphenyl N.D. 5 mg/kg N.D. N.D. N.D. N.D. 5 mg/kg Tetrabromobiphenyl N.D. N.D. N.D. Pentabromobiphenyl N.D. 5 mg/kg N.D. N.D. N.D. N.D. Hexabromobiphenyl 5 mg/kg Heptabromobiphenyl N.D. N.D. N.D. N.D. 5 mg/kg N.D. N.D. N.D. N.D. Octabromobiphenyl 5 mg/kg N.D. N.D. Nonabromobiphenyl N.D. N.D. 5 mg/kg N.D. Decabromobiphenyl N.D. N.D. N.D. 5 mg/kg **Polybrominated Diphenyl Ethers(PBDEs)** N.D. N.D. N.D. Monobromodiphenyl ether N.D. 5 mg/kg N.D. N.D. N.D. N.D. Dibromodiphenyl ether 5 mg/kg Tribromodiphenyl ether N.D. N.D. N.D. N.D. 5 mg/kg N.D. N.D. N.D. N.D. Tetrabromodiphenyl ether 5 mg/kg Pentabromodiphenyl ether N.D. N.D. N.D. N.D. 5 mg/kg N.D. N.D. N.D. N.D. Hexabromodiphenyl ether 5 mg/kg N.D. N.D. N.D. N.D. 5 mg/kg Heptabromodiphenyl ether Octabromodiphenyl ether N.D. N.D. N.D. N.D. 5 mg/kg N.D. N.D. Nonabromodiphenyl ether N.D. N.D. 5 mg/kg N.D. N.D. N.D. N.D. Decabromodiphenyl ether 5 mg/kg

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Tostad Itam(a)	Result				MDI
Tested Item(s)	10	10 11 12		13	- MDL
Lead (Pb)	N.D.	N.D.	15 mg/kg	4 mg/kg	2 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	2 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	2 mg/kg
Hexavalent Chromium	N.D.	N.D.	N.D.	N.D.	2 mg/kg
(Cr(VI))		_	(A)-	- 6	/
	Result				
Tested Item(s)	10	11	12	13	MDL
Polybrominated Biphenyls	(PBBs)		·		
Monobromobiphenyl	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Polybrominated Diphenyl l	Ethers(PBDE	(s)			
Monobromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	N.D.	N.D.	N.D.	5 mg/kg

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Remark:

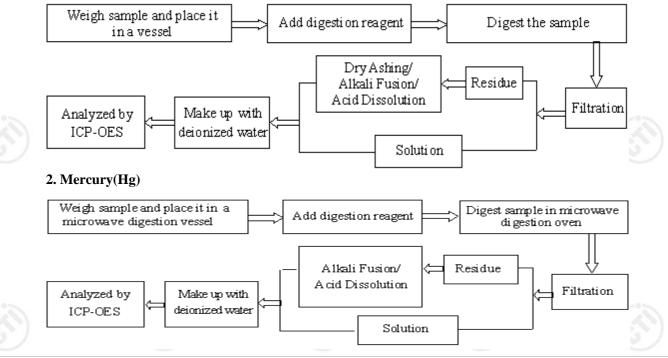
ark: The sample had been dissolved totally tested for Lead, Cadmium, Mercury.

- -MDL = Method Detection Limit
- -N.D. = Not Detected (<MDL)
- -mg/kg = ppm = parts per million

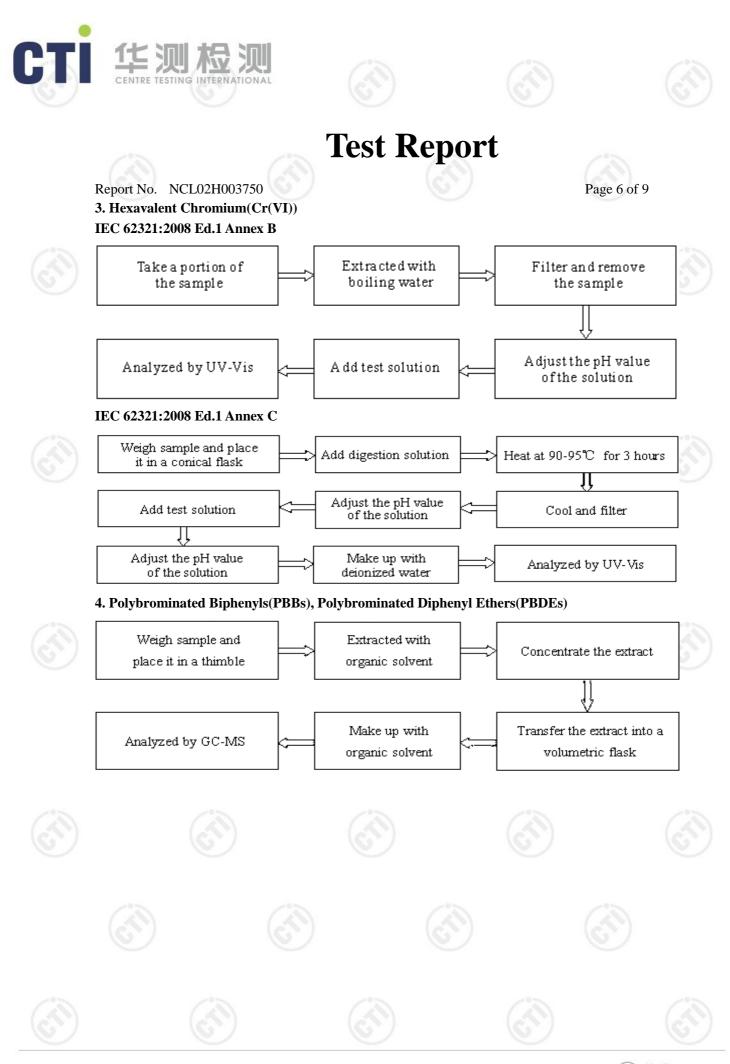
-Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water extraction solution is less than 0.02 mg/kg with 50cm² sample surface area used.

Test Process

1. Lead(Pb), Cadmium(Cd)







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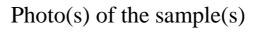


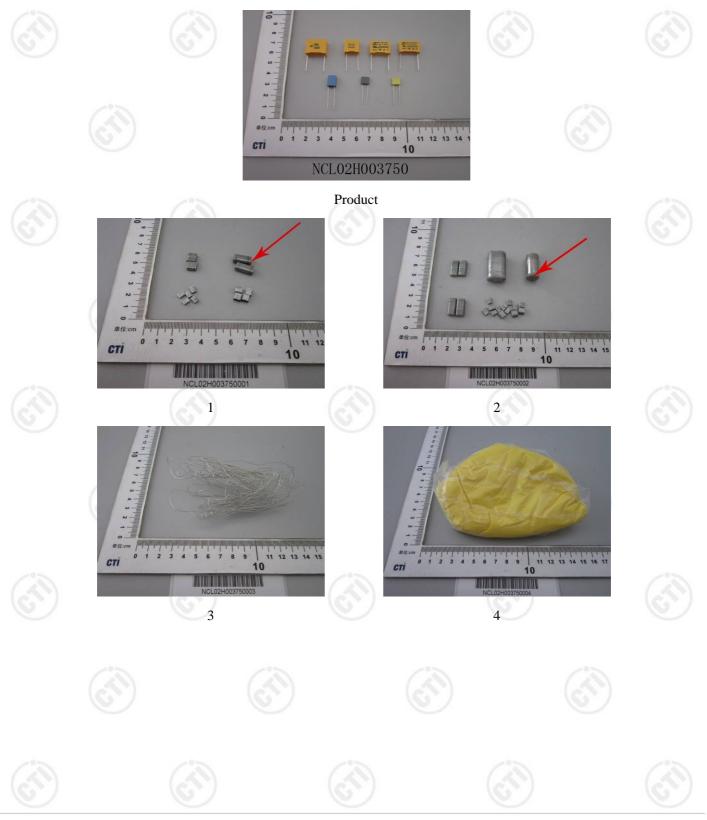




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Photo(s) of the sample(s)



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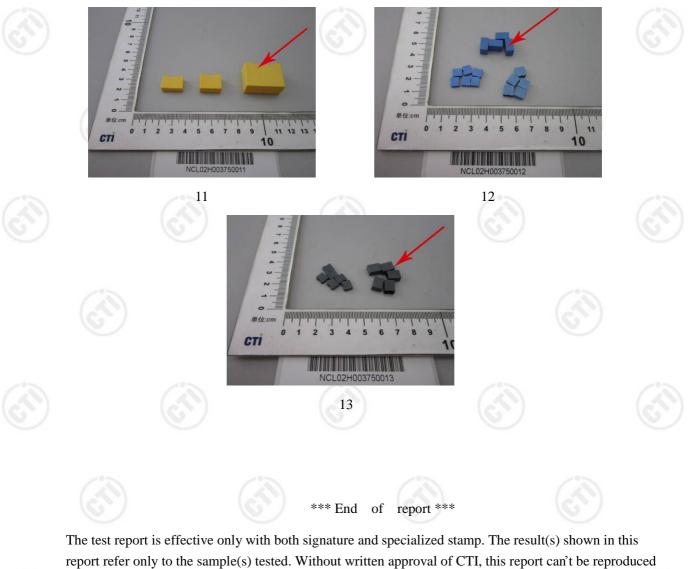
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