



Report No. NCL02H003714

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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-Epoxy Resin Coating					
	Polypropylene Film Capacitor-Epoxy Resin Coating					
	Polyester Film Capacitor-Powder Coating					
	Polypropylene Film Capacitor-Powder Coating					
Material	1.Film 2.Sisc(Pb Free) 3.Leads 4.Epoxy Resin 5.Powder					
Sample Received Date	Jun. 15, 2015					
Testing Period	Jun. 15, 2015 to Jun. 18, 2015					

Test Requested

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

Tracks of Manager (a)	TrackMathed	Measured	107
lested Item(s)	Test Method	Equipment(s)	
Lead (Pb)	IEC 62321-5:2013 Ed.1.0	ICP-OES	2
Cadmium (Cd)	IEC 62321-5:2013 Ed.1.0	ICP-OES	
Mercury (Hg)	IEC 62321-4:2013 Ed.1.0	ICP-OES	
Havenalant Charming (Cr(MI))	IEC 62321:2008 Ed.1 Annex B		
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	
	Cadmium (Cd) Mercury (Hg) Hexavalent Chromium (Cr(VI)) Polybrominated Biphenyls (PBBs)	Lead (Pb) IEC 62321-5:2013 Ed.1.0 Cadmium (Cd) IEC 62321-5:2013 Ed.1.0 Mercury (Hg) IEC 62321-4:2013 Ed.1.0 Hexavalent Chromium (Cr(VI)) IEC 62321:2008 Ed.1 Annex B Polybrominated Biphenyls (PBBs) IEC 62321:2008 Ed.1 Annex A	Tested Item(s)Test MethodEquipment(s)Lead (Pb)IEC 62321-5:2013 Ed.1.0ICP-OESCadmium (Cd)IEC 62321-5:2013 Ed.1.0ICP-OESMercury (Hg)IEC 62321-4:2013 Ed.1.0ICP-OESHexavalent Chromium (Cr(VI))IEC 62321:2008 Ed.1 Annex BUV-VisPolybrominated Biphenyls (PBBs)IEC 62321:2008 Ed.1 Annex AGC-MS

Test Result(s)

Please refer to the following page(s).

Tested by 7Л OЛ Allen Wang Fechnical Manager T.103 Centre Testing International (Tianjin) Co., Ltd.

Reviewed by

Date

Jun. 18, 2015

No. R216451841 No.99, Xianfeng East Road, Dongli District, Tianjin, China





Test Report

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Tested Item(s)	Result					MDL
Testeu Item(s)	1	2	3	4	5	
Lead (Pb)	N.D.	14 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	/
	Result					2
Tested Item(s)	1	2	3	4	5	MDL
Polybrominated Biphenyls(PBBs)		L L			•
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.			N.D.	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.		0	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 E	thers(PBI	DEs)		Q		
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.	_	EN	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	_	S	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.	1	_	N.D.	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	(3)	—	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

Tested Sample/Part Description

- 1.Film(capacitor core)
- 2.Silver color core(capacitor core)
- 3.Metal with silvery plating
- 4.Red paste
- 5.Red powder

CENTRE TESTING INTERNATIONAL CORPORATION

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Test Report

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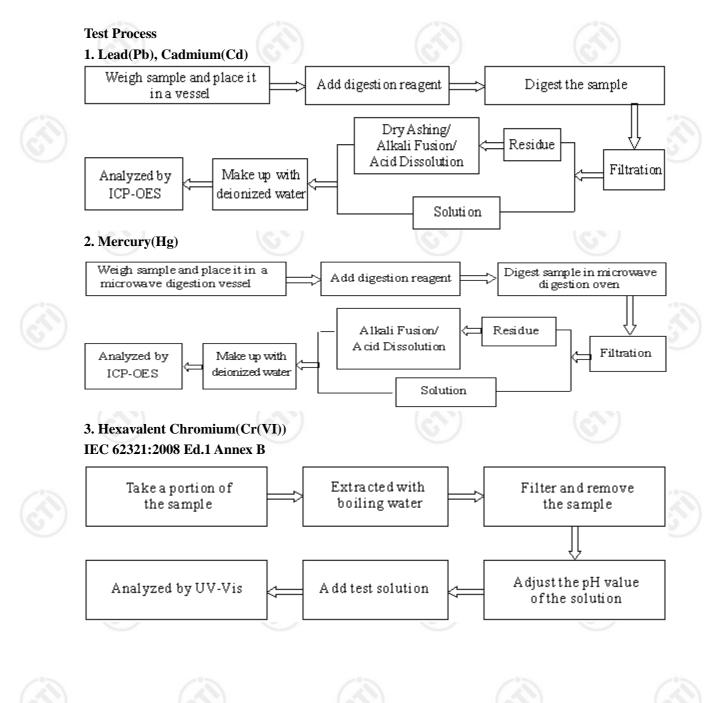
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Remark: The sample had been dissolved totally tested for Lead, Cadmium, Mercury.

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

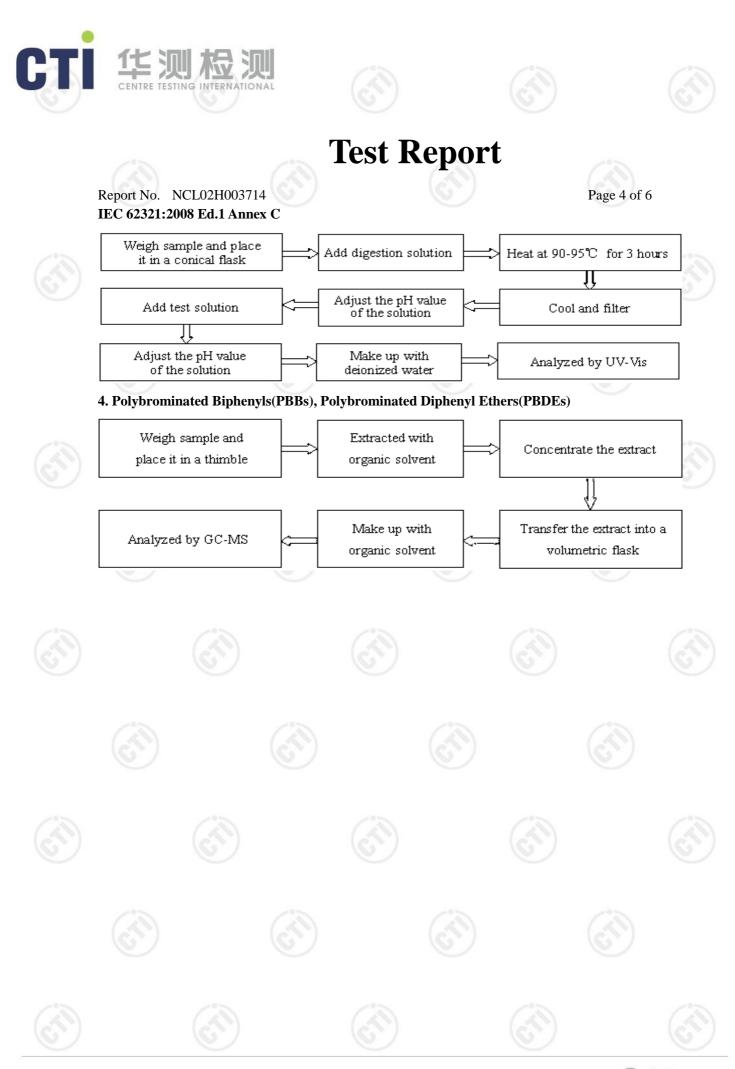
-Negative = Absence of Cr(VI), the detected Cr(VI) concentration in the boiling water

extraction solution is less than 0.02 mg/kg with 50cm² sample surface area used.





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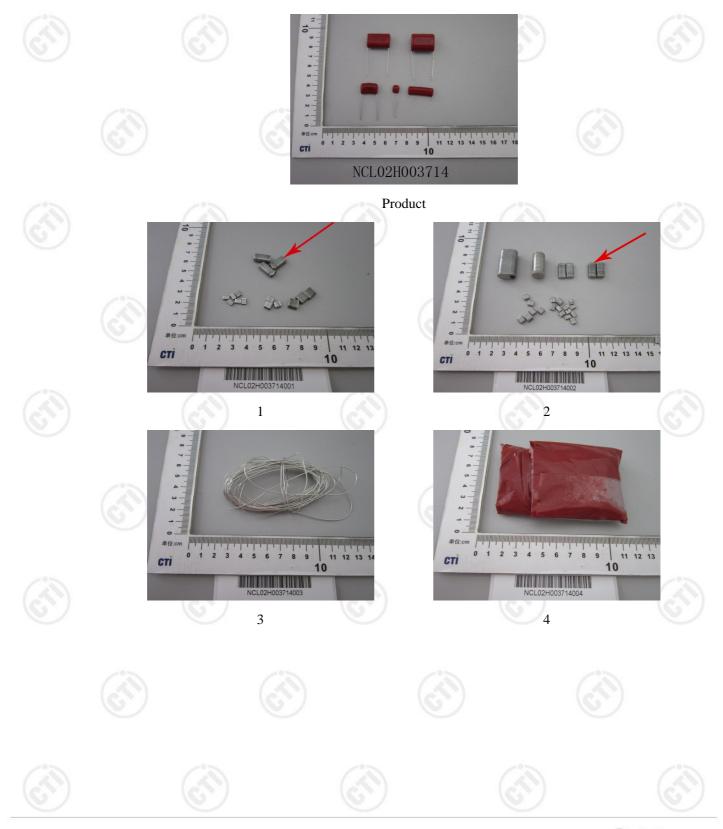






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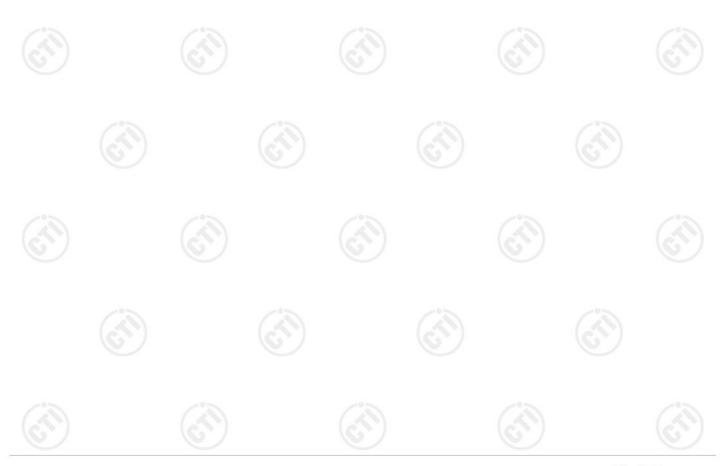
Photo(s) of the sample(s)



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