

Test Report

No. SZR150310017001-1

Date: Mar. 17, 2015

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Applicant : JYH HSU(JEC) ELECTRONICS LTD.,

Address : Lu Chong Bridge Side, Dao Hou Rd, Cai Bai Country, DaoJiao Town,
Dong GuanCity, GuangDong.

The submitted sample and sample information was/were submitted and identified by/on the behalf of the client

Sample name : CERAMIC CAPACITOR

Type /model : /

Manufacturer : /

Sample received date : Mar. 10, 2015

Testing period : Mar. 10, 2015 to Mar. 17, 2015

Test requested : As specified by client, to test to test the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyl(PBBs), Polybrominated Diphenyl Ethers (PBDEs), Dibutyl phthalate(DBP), Di-2-ethylhexyl phthalate(DEHP), Hexabromocyclododecane (HBCDD), Benzyl butyl phthalate(BBP) in the submitted sample.

According to the RoHS Directive 2011/65/EU

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

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



Tested by Sasha Chau

Inspected by Wendy

Approved by Rebec.co

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Test Method:

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
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
Hexabromocyclododecane (HBCDD)	US EPA 3540C:1996	GC-MS
Phthalates	EN 14372:2004(E)	GC-MS

Tested Sample/Part Description:

A* Ceramic capacitor mixed

Test Result(s):

Tested Item(s)	Result A* Unit (mg/kg)	MDL Unit (mg/kg)	Acceptable Limit Unit (mg/kg)
Lead (Pb)	N.D.	2	1000
Cadmium (Cd)	N.D.	2	100
Mercury (Hg)	N.D.	2	1000
Hexavalent Chromium (Cr(VI))	N.D.	2	1000

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Tested Item(s)	Result A* Unit (mg/kg)	MDL Unit (mg/kg)	Limit Unit (mg/kg)
Polybrominated Biphenyls(PBBs)	N.D.	--	1000
Monobromobiphenyl	N.D.	5	--
Dibromobiphenyl	N.D.	5	--
Tribromobiphenyl	N.D.	5	--
Tetrabromobiphenyl	N.D.	5	--
Pentabromobiphenyl	N.D.	5	--
Hexabromobiphenyl	N.D.	5	--
Heptabromobiphenyl	N.D.	5	--
Octabromobiphenyl	N.D.	5	--
Nonabromobiphenyl	N.D.	5	--
Decabromobiphenyl	N.D.	5	--
Polybrominated Diphenyl Ethers(PBDEs)	N.D.	--	1000
Monobromodiphenyl ether	N.D.	5	--
Dibromodiphenyl ether	N.D.	5	--
Tribromodiphenyl ether	N.D.	5	--
Tetrabromodiphenyl ether	N.D.	5	--
Pentabromodiphenyl ether	N.D.	5	--
Hexabromodiphenyl ether	N.D.	5	--
Heptabromodiphenyl ether	N.D.	5	--
Octabromodiphenyl ether	N.D.	5	--
Nonabromodiphenyl ether	N.D.	5	--
Decabromodiphenyl ether	N.D.	5	--

Tested Item(s)	Result A* Unit (mg/kg)	MDL Unit (mg/kg)	Acceptable Limit Unit (mg/kg)
Hexabromocyclododecane (HBCDD)	N.D.	5	1000
Dibutyl phthalate(DBP) CAS #:84-74-2	N.D.	50	1000
Benzylbutyl phthalate(BBP) CAS #:85-68-7	N.D.	50	1000
Di-2-ethylhexyl phthalate(DEHP) CAS #:117-81-7	N.D.	50	1000

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Note:

-MDL = Method Detection Limit

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

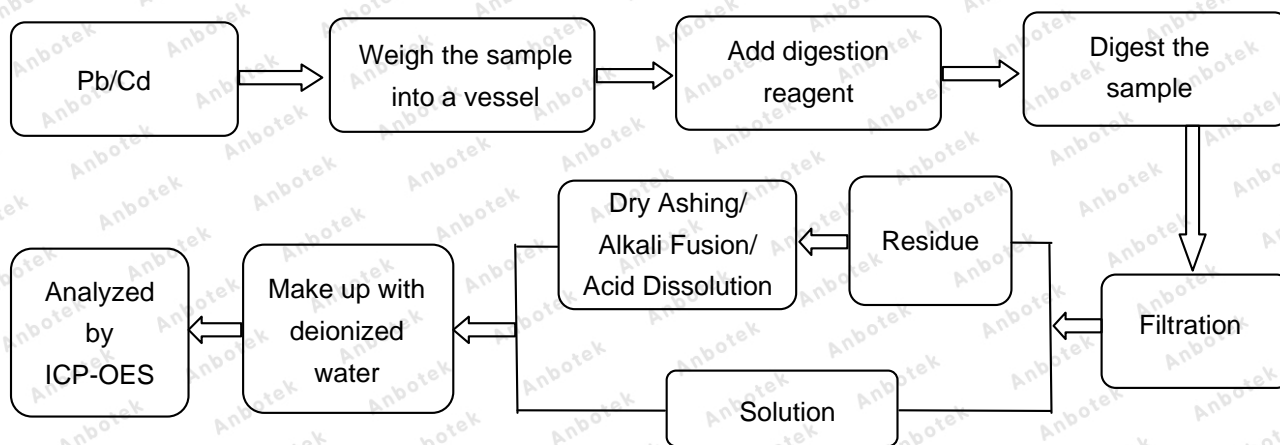
-mg/kg = ppm = parts per million

-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.

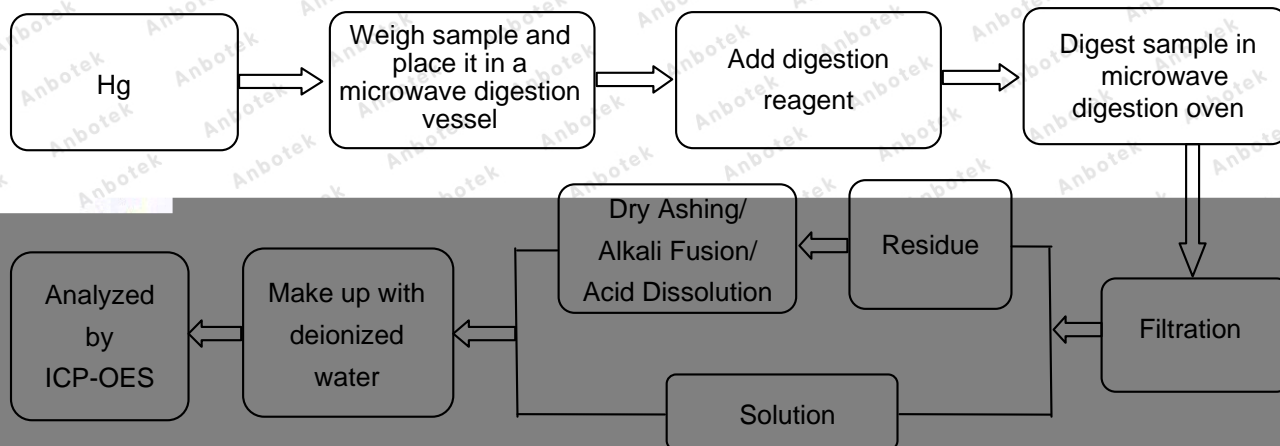
Test Process:

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

◆ IEC 62321-5:2013 Ed.1.0



◆ IEC 62321-4:2013 Ed.1.0



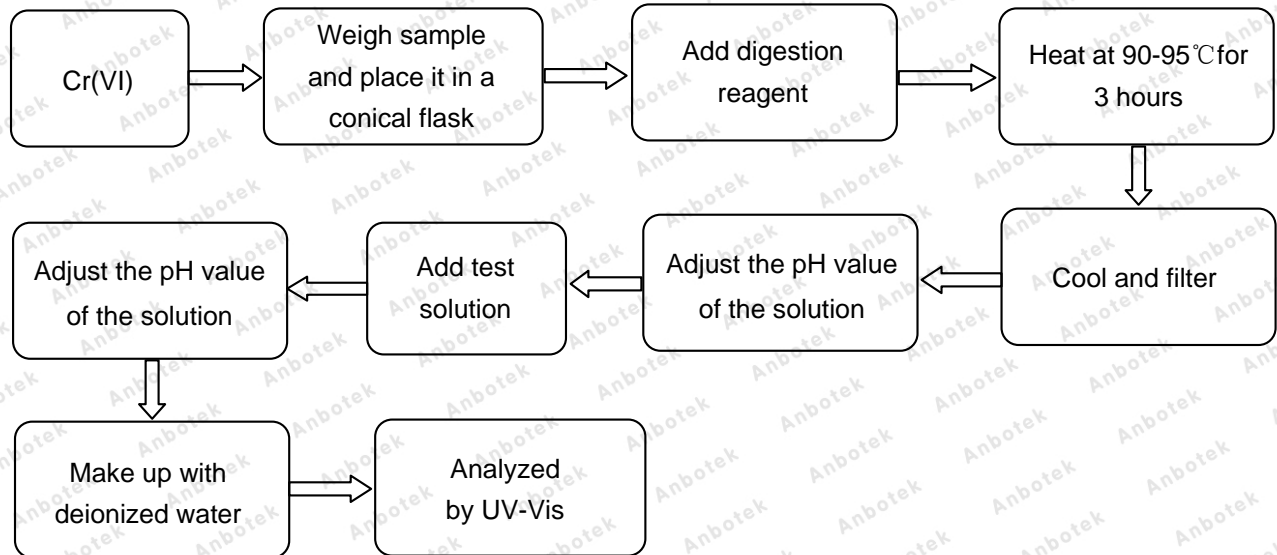
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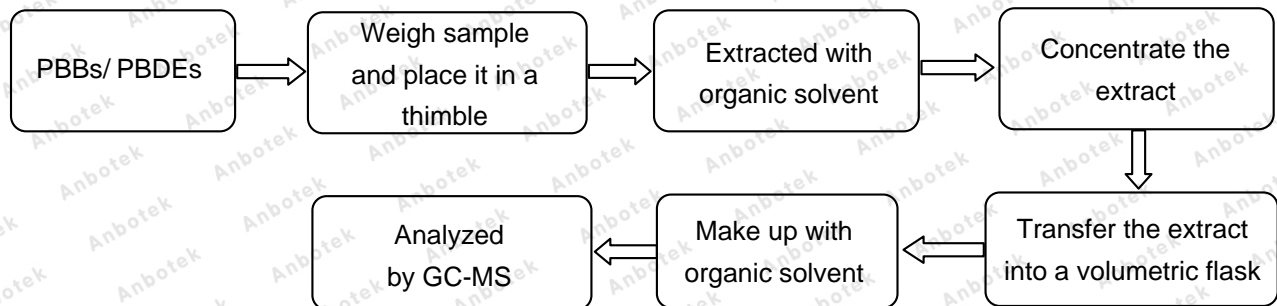
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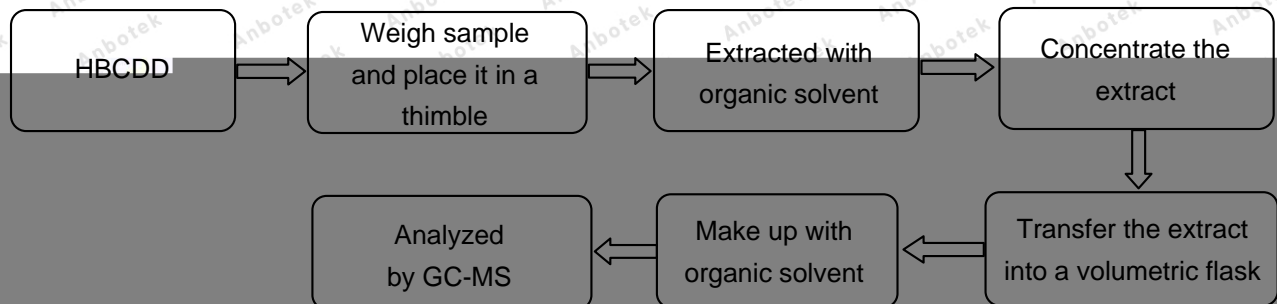
◆ IEC 62321:2008 Ed.1 Annex C



◆ IEC 62321:2008 Ed.1 Annex A



◆ US EPA 3540C:1996



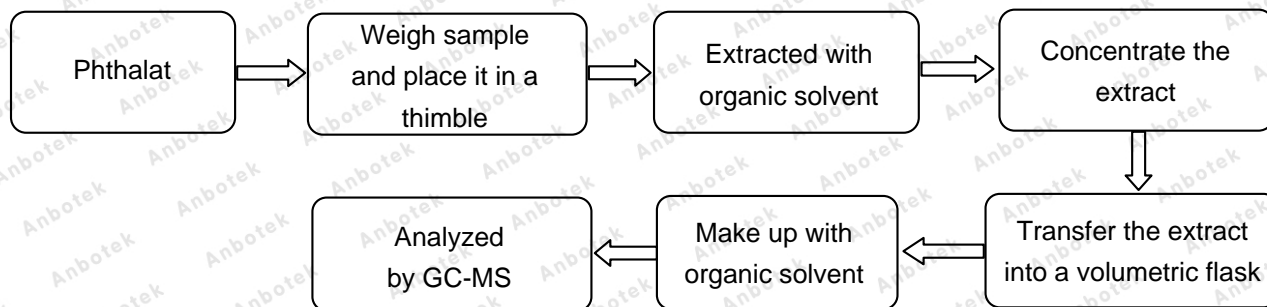
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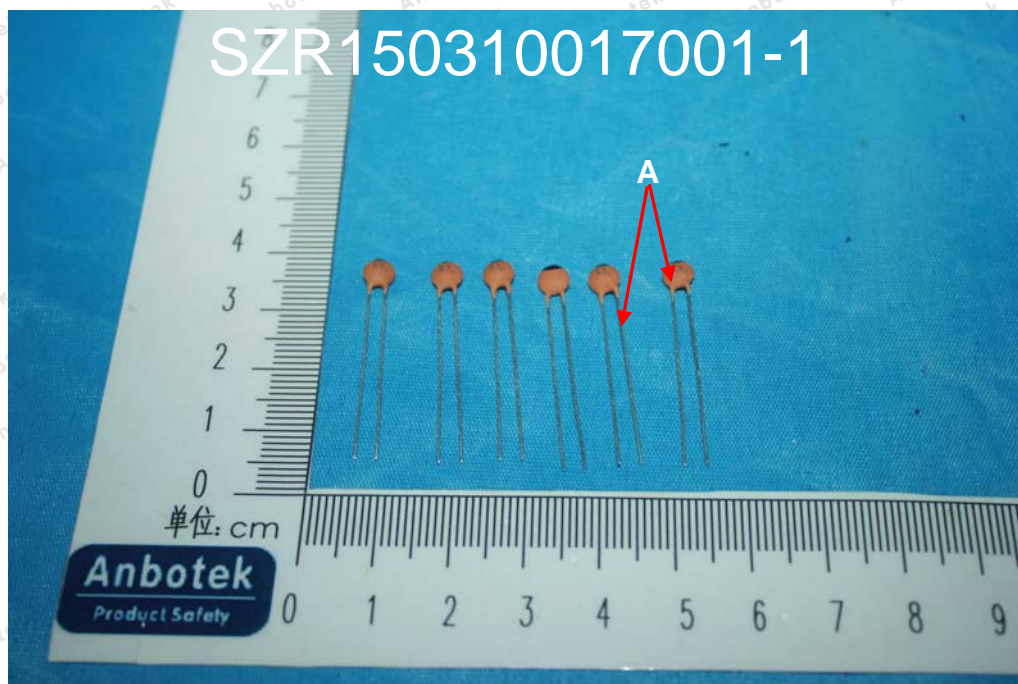
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◆ EN14372:2004



Photograph of Sample



**** End of Report ****

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