



Test Report

Report No.: TR20160423

Applicant Shanghai Ecube-Tech Electronics
Technology Co., Ltd.

Address No. 245 Jinan Road, Huangpu Area,
Shanghai, 200021, China

Report Date Feb. 1, 2016



Hangzhou C&K Testing Technic Co., Ltd.

Hangzhou C&K Testing Technic Co., Ltd

Add : 1/F, No. 4 Building, Huaye Hi-Tech Industrial Park, No. 1180, Bin'an Road, Binjiang District, Hangzhou 310052. China.

Hotline : 4006-721-723 Lab Tel : +86 571-8720 6535 Fax : +86 571-8990 0719 E-mail : test@cirs-group.com Website : www.cirs-ck.com

The result(s) shown in this report refer only to the sample(s) tested unless otherwise stated. This report shall not be reproduced except in full, without written prior approval of Hangzhou C&K Testing Technic Co., Ltd.



Test Report

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Address	No. 245 Jinan Road, Huangpu Area, Shanghai, 200021, China
Sample Name	MOV Varistor
Type/ Model	MYG05D, MYG07D, MYG10D, MYG14D, MYG20D
Sample Received Date	Jan. 28, 2016
Test Period	Jan. 28, 2016 ~ Feb. 1, 2016
Test Requirement	To determine the certain Hazardous Substances of the submitted sample according to the requirements of RoHS Directive 2011/65/EU (the European Parliament and the Council's Restriction on the use of certain Hazardous Substances in electrical and electronic equipment) and its amendment (EU) 2015/863.

Test Item(s)	Test Result(s)
RoHS Directive 2011/65/EU and its amendment (EU) 2015/ 863	See Test Result(s)

Complied by Yoko Ye Inspected by Kale Zhang Authorized by Mark Li
Mark Li/ Lab Manager

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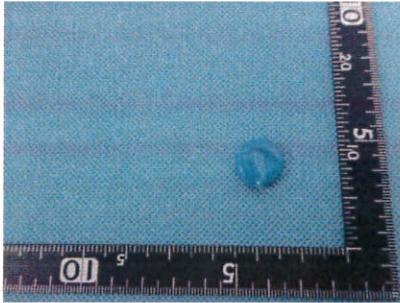
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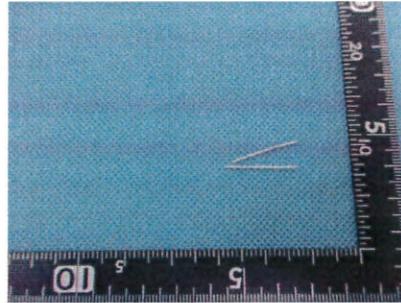
Test Component(s):

No.	Sample Serial No.	Test Component(s)
1	TR20160423001	Blue coating
2	TR20160423002	Metal iron wire
3	TR20160423003	Chip

Photo(s):



1



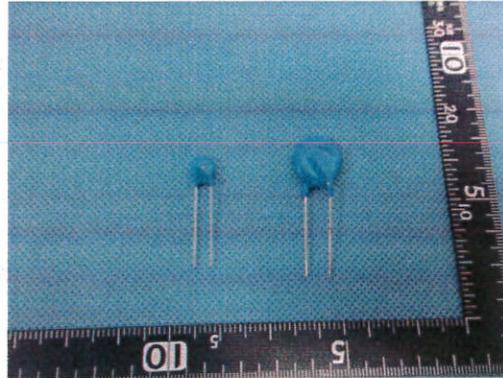
2



3

TR20160423

Overview:



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RoHS Directive 2011/65/EU and its amendment (EU) 2015/ 863

Test Method: Pb, Cd : IEC 62321-5:2013; Hg: IEC 62321-4:2013; Cr⁶⁺: IEC 62321:2008

PBBs, PBDEs: IEC 62321-6:2015; DBP, DEHP, BBP, DIBP: EPA 3550C:2007, EPA 8270D: 2007

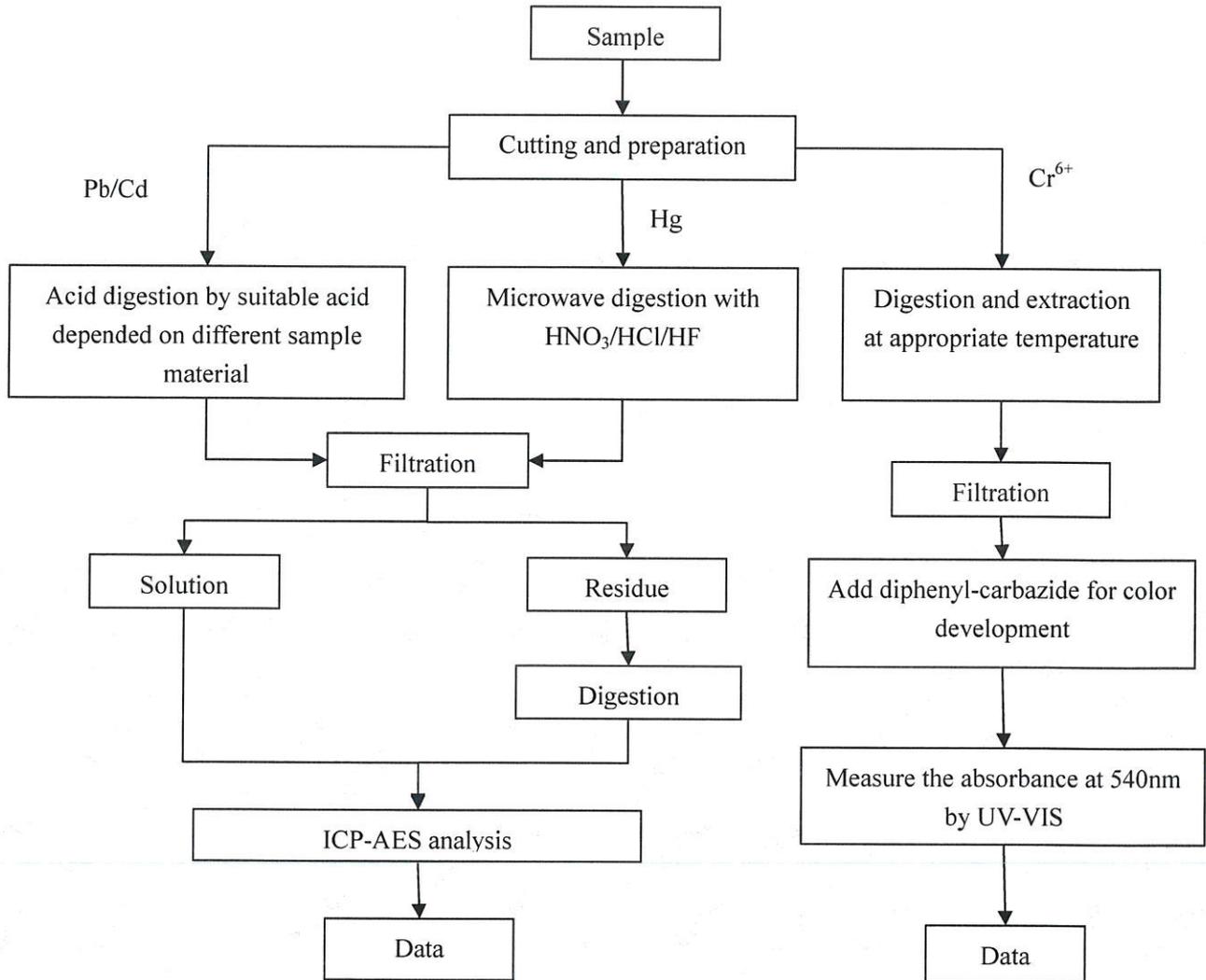
Test Item(s)	Limit	MDL	Unit	Test Result(s)		
				1	2	3
Lead(Pb)	1000	5	mg/kg	N.D.	N.D.	N.D.
Mercury(Hg)	1000	5	mg/kg	N.D.	N.D.	N.D.
Hexavalent Chromium(Cr ⁶⁺)	1000	5	mg/kg	N.D.	N.D.	N.D.
Cadmium(Cd)	100	5	mg/kg	N.D.	N.D.	N.D.
Polybrominated Biphenyls (PBBs)	1000	100	mg/kg	N.D.	N.D.	N.D.
Polybrominated Diphenylethers (PBDEs)	1000	100	mg/kg	N.D.	N.D.	N.D.
Dibutyl phthalate (DBP)	1000	10	mg/kg	N.D.	--	--
Bis (2-ethyl(hexyl)phthalate) (DEHP)	1000	10	mg/kg	N.D.	--	--
Benzyl butyl phthalate (BBP)	1000	10	mg/kg	N.D.	--	--
Diisobutyl phthalate (DIBP)	1000	10	mg/kg	N.D.	--	--

Remarks:

1. MDL = Method Detection Limit
2. N.D. = Not detected (<MDL)

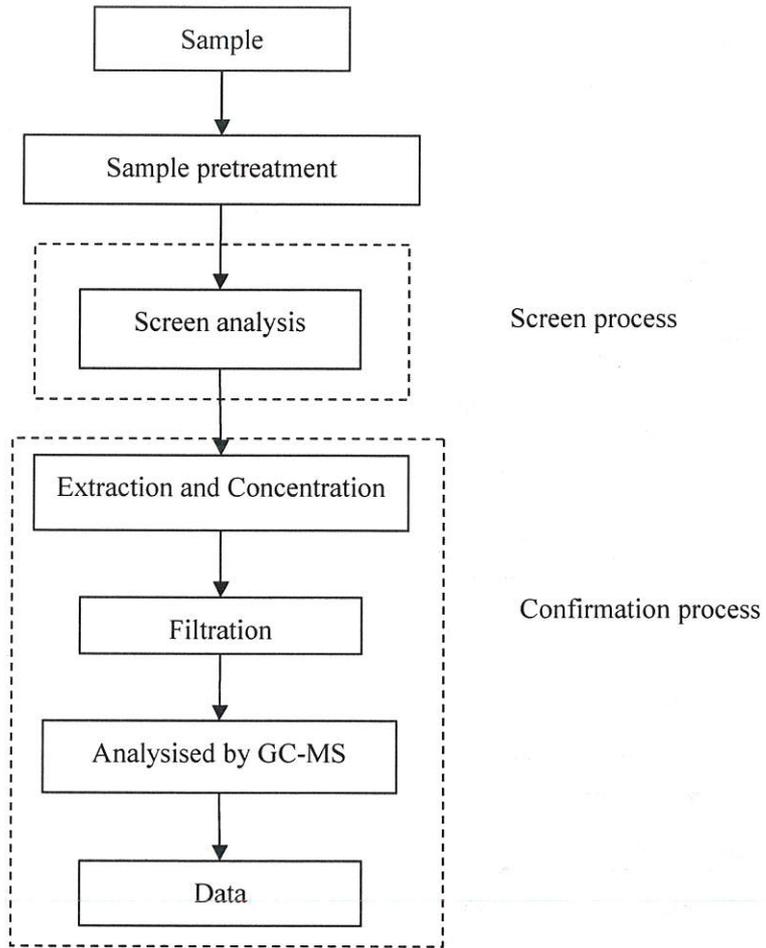


Test Flow Chart for the determination of Pb, Cd, Hg, Cr⁶⁺



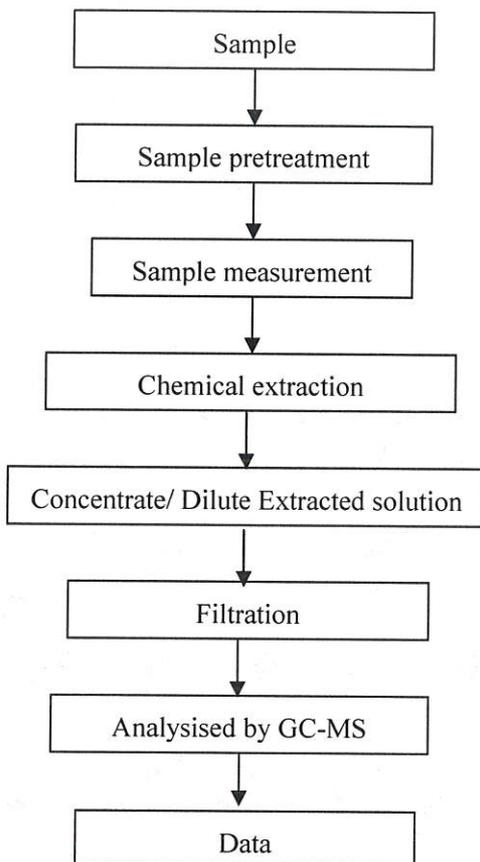


Test Flow Chart for the determination of PBB/PBDE





Test Flow Chart for the determination of Phthalates Content



The end of report

