

Test Report

Report No.

ECL01J041865001

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SUZHOU CHUANGJI ELECTRONICS CO LTD Applicant NO.588 BINHE ROAD HIGH TECH ZONE, SUZHOU Address

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

Sample Name **Client Reference Information** Sample Received Date **Testing Period**

capacitor X1;X2;MEF;MPP;MEA;MET;CT81;Y1;Y2 Jul. 10, 2017 Jul. 10, 2017 to Jul. 14, 2017

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), Fluorine(F), Chlorine(Cl), Bromine(Br), Iodine(I) in the submitted sample(s).

Test Method

Tested Item(s)	Test Method	Measured Equipment(s)
	IEC 62321-5:2013 Ed.1.0,	0
Lead(Pb), Cadmium(Cd), Mercury(Hg),	IEC 62321-4:2013 Ed.1.0,	ICP-OES, UV-Vis
Hexavalent Chromium(Cr(VI))	IEC 62321-7-1:2015,	
	IEC 62321-7-2:2017	
Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Fluorine (F)	Refer to EN 14582:2016	IC
Chlorine (Cl)	Refer to EN 14582:2016	IC
Bromine (Br)	Refer to EN 14582:2016	IC
Iodine (I)	Refer to EN 14582:2016	IC

Test Result(s)

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Please refer to the following page(s).

Tested

by

Reviewed by



Date

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No. R198698058





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Test Result(s)

Tested Item(s)	Re	Result	
	1	2	MDL
Lead(Pb)	N.D.	N.D.	2 mg/kg
Cadmium(Cd)	N.D.	N.D.	2 mg/kg
Mercury(Hg)	N.D.	N.D.	2 mg/kg
Hexavalent Chromium(Cr(VI))	N.D.	(D) -	8 mg/kg
	_	N.D.♥	$0.10 \mu g/cm^2(LOQ)$
	Re	Result	
Tested Item(s)	1	2	MDL
Polybrominated Biphenyls(PBBs)		1	
Monobromobiphenyl	N.D.	- 6	5 mg/kg
Dibromobiphenyl	N.D.	_	5 mg/kg
Tribromobiphenyl	N.D.	—	5 mg/kg
Tetrabromobiphenyl	N.D.	12	5 mg/kg
Pentabromobiphenyl	N.D.	(25)-	5 mg/kg
Hexabromobiphenyl	N.D.	<u> </u>	5 mg/kg
Heptabromobiphenyl	N.D.	—	5 mg/kg
Octabromobiphenyl	N.D.	—	5 mg/kg
Nonabromobiphenyl	N.D.	- 68	5 mg/kg
Decabromobiphenyl	N.D.	- @`	5 mg/kg
Polybrominated Diphenyl Ethers(PBD	DEs)		
Monobromodiphenyl ether	N.D.	—	5 mg/kg
Dibromodiphenyl ether	N.D.	 	5 mg/kg
Tribromodiphenyl ether	N.D.	(8)-	5 mg/kg
Tetrabromodiphenyl ether	N.D.	<u> </u>	5 mg/kg
Pentabromodiphenyl ether	N.D.	—	5 mg/kg
Hexabromodiphenyl ether	N.D.	- 200	5 mg/kg
Heptabromodiphenyl ether	N.D.	- (8)	5 mg/kg
Octabromodiphenyl ether	N.D.	- 🔍	5 mg/kg
Nonabromodiphenyl ether	N.D.	—	5 mg/kg
Decabromodiphenyl ether	N.D.	—	5 mg/kg



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Tested Item(s)	Result 1	MDL
Fluorine (F)	76mg/kg	10mg/kg
Chlorine (Cl)	176mg/kg	10mg/kg
Bromine (Br)	N.D.	10mg/kg
Iodine (I)	N.D.	10mg/kg

1. Yellow body (Mix all)

2. Silvery metal pin

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury. As specified by client, the test was conducted by mixing all materials together. The result(s) shown on this report may be different from the content of any homogeneous material.

-MDL = Method Detection Limit

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

-mg/kg = ppm = parts per million

-LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is $0.10 \ \mu g/cm^2$

- The sample is negative for Cr(VI) – The Cr(VI) concentration is below 0.10µg/cm².

The coating is considered a non-Cr(VI) based coating.

Test Process

1. Lead(Pb), Cadmium(Cd), Chromium(Cr)







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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.

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