





Report No. A224012263810106R1

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Company Name	DONG GUAN BRIGHT LED ELECTRONICS LTD		
shown on Report			
Address	NO.8,GAO LONG EAST RD ,GAOBU TOWN,DONG GUAN CTY,GUANG DONG		
	PROVINCE.CHINA 523283		

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

CTI Sample ID	Sample Name(s)
016	Chip 樹脂
017	Chip PCB

Final Product Name Sample Received Date Testing Period	SMD Mar. 12, 2024 Mar. 12, 2024 to Mar. 27, 2024
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), Phthalates (DBP, BBP, DEHP, DIBP) in the submitted sample(s).
Test Method/Test Result(s)	Please refer to the following page(s).

flill They Hill Zheng

Technical Manager

Date

Apr. 1, 2024

No. R262627125

Centre Tenting International Group Co.,Ltd. CINBuilding,Swing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China



PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.





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Test Method

Tested Item(s)	Test Method	Measured Equipment(s)	
Lead (Pb)	IEC 62321-5:2013	ICP-OES	
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES	
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES	
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 and/or determination of	UV-Vis/ICP-OES	
Hexavalent Chronnum (Cr(VI))	Total Chromium by IEC 62321-5:2013		
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	
Polybrominated Diphenyl Ethers	IEC 62321-6:2015	GC-MS	
(PBDEs)	IEC 02321-0:2015		
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS	



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Test Result(s)

Tooted Itom(a)	Result		MDL	T • • •	
Tested Item(s)	016	017		Limit	
Lead (Pb)	N.D.	N.D.	2 mg/kg	1000 mg/kg	
Cadmium (Cd)	N.D.	N.D.	2 mg/kg	100 mg/kg	
Mercury (Hg)	N.D.	N.D.	2 mg/kg	1000 mg/kg	
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	8 mg/kg	1000 mg/kg	
Tested Item(s)	Result		MDL	Limit	
Tested Item(s)	016	017		Linnt	
Polybrominated Biphenyls (PBBs)					
Monobromobiphenyl	N.D.	N.D.	5 mg/kg		
Dibromobiphenyl	N.D.	N.D.	5 mg/kg		
Tribromobiphenyl	N.D.	N.D.	5 mg/kg		
Tetrabromobiphenyl	N.D.	N.D.	5 mg/kg		
Pentabromobiphenyl	N.D.	N.D.	5 mg/kg	- 1000 mg/kg	
Hexabromobiphenyl	N.D.	N.D.	5 mg/kg		
Heptabromobiphenyl	N.D.	N.D.	5 mg/kg		
Octabromobiphenyl	N.D.	N.D.	5 mg/kg		
Nonabromobiphenyl	N.D.	N.D.	5 mg/kg		
Decabromobiphenyl	N.D.	N.D.	5 mg/kg		
	Result			T	
Tested Item(s)	016	017	MDL	Limit	
Polybrominated Diphenyl Ethers (PBDEs)				
Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg		
Dibromodiphenyl ether	N.D.	N.D.	5 mg/kg]	
Tribromodiphenyl ether	N.D.	N.D.	5 mg/kg]	
Tetrabromodiphenyl ether	N.D.	N.D.	5 mg/kg]	
Pentabromodiphenyl ether	N.D.	N.D.	5 mg/kg	1000 m a /1	
Hexabromodiphenyl ether	N.D.	N.D.	5 mg/kg	1000 mg/kg	
Heptabromodiphenyl ether	N.D.	N.D.	5 mg/kg		
Octabromodiphenyl ether	N.D.	N.D.	5 mg/kg		
Nonabromodiphenyl ether	N.D.	N.D.	5 mg/kg		
Decabromodiphenyl ether	N.D.	N.D.	5 mg/kg]	

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Result Tested Item(s) MDL Limit 016 017 Phthalates (DBP, BBP, DEHP, DIBP) Dibutyl phthalate (DBP) N.D. N.D. 50 mg/kg 1000 mg/kg CAS#:84-74-2 Butyl benzyl phthalate (BBP) N.D. N.D. 50 mg/kg 1000 mg/kg CAS#:85-68-7 Di-(2-ethylhexyl) phthalate N.D. N.D. 50 mg/kg 1000 mg/kg (DEHP) CAS#:117-81-7 Diisobutyl phthalate (DIBP) 1000 mg/kg N.D. N.D. 50 mg/kg CAS#:84-69-5

Sample/Part Description

No.	CTI Sample ID	Description
1	016	Transparent solid
2	017	PCB(Tested as a whole)#

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

-#The sample(s) was tested as a whole, because it's impossible to disassemble or separate it by current equipment and technology. 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)

-mg/kg = ppm = parts per million

-1000 mg/kg = 0.1%

Note: This testing report revised the full text based on the original report of No. A224012263810106. This testing report displaces the original one which was invalid since the date of this testing report released.

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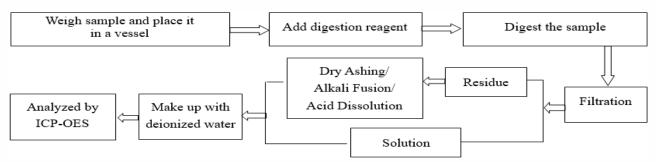
CTI华测检测

Test Report

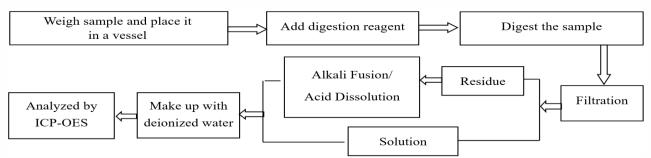
Report No. A224012263810106R1

Test Process

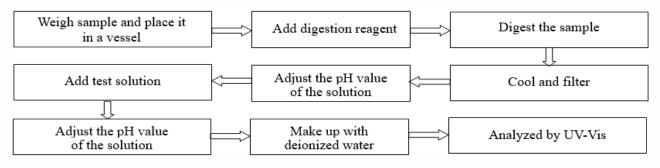
1. Lead (Pb), Cadmium (Cd), Chromium(Cr)



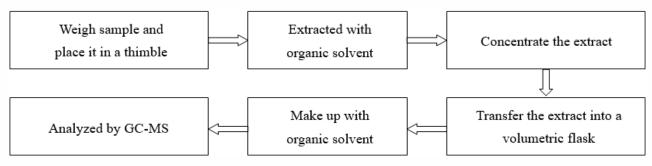
2. Mercury (Hg)



3. Hexavalent Chromium (Cr(VI))



4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)

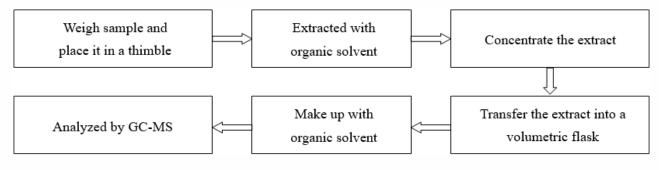




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5. Phthalates (DBP, BBP, DEHP, DIBP)





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Photo(s) of the sample(s)

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Statement:

- 1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;

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- 3. The result(s) shown in this report refer(s) only to the sample(s) tested;
- Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019 / CNAS-GL015:2022;
- 5. Without written approval of CTI, this report can't be reproduced except in full;
- 6. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of Report ***

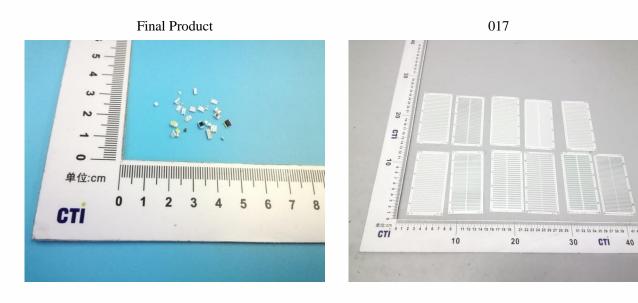
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Hotline:400-6788-333 www.cti-cert.com E-mail:info@cti-cert.com Complaint call:0755-33681700 Complaint E-mail:complaint@cti-cert.com

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Appendix

Client Reference Photo (Non-tested sample)



- 1. The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
- 2. The Appendix Information is/are the supplement(s) for the Report A224012263810106R1.