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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)
009	Display PIN
010	Display 樹脂
011	Display REF
012	Display PCB

Final Product Name DISPLAY
Sample Received Date Mar. 12, 2024

Testing Period 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).

Hill Zhers
Hill Zheng

Technical Manager

No. R262627125

Apr. 1, 2024

Course Tealing International Group Co.,Ltd.

Cipe Building, Swing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

Date



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CTI Sample ID	Reference Report No CTI Sample ID
010	A224012263810103R1-008

Remark:

The samples with the reference information in the table above are non-tested in this report. Test results and the photos of the "CTI Sample ID" column reference to "Reference Report No. - CTI Sample ID" column.



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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
	IEC 62321-7-1:2015	UV-Vis
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 and/or determination of	LIV V:-/ICD OES
	Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers	IEC 62321-6:2015	GC-MS
(PBDEs)		
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS



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Test Result(s)

Tested Item(s)	Result			MDL
rested item(s)	009	010	011	VIDL
Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg
Howavalant Champions (Ca(VI))		N.D.	N.D.	8 mg/kg
Hexavalent Chromium (Cr(VI))	N.D. [▼]			0.10 μg/cm ² (LOQ)

Tested Item(s)	Result	MDL
rested rem(s)	012	WIDE
Lead (Pb)	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg
Mercury (Hg)	N.D.	2 mg/kg
Howavalant Chamming (Ca(VII))	N.D.	8 mg/kg
Hexavalent Chromium (Cr(VI))		0.10 μg/cm ² (LOQ)

Tested Item(s)	Result			MDL
resteu rtem(s)	010	011	012	WIDL
Polybrominated Biphenyls (P	(BBs)	•		
Monobromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	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.	N.D.	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	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



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Tested Item(s)	Result			MDL
rested item(s)	010	011	012	MIDL
Polybrominated Diphenyl Ethers	(PBDEs)			
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.	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	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.	N.D.	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	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 Item(s)	Result			MDL
Testeu Item(s)	010	011	012	WIDL
Phthalates (DBP, BBP, DEHP, DI	BP)			
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	50 mg/kg
CAS#:84-74-2	N.D.	N.D.	N.D.	50 Hig/kg
Butyl benzyl phthalate (BBP)	N.D.	N.D.	N.D.	50 mg/kg
CAS#:85-68-7	N.D.	N.D.	N.D.	50 Hig/Kg
Di-(2-ethylhexyl) phthalate	N.D.	N.D.	N.D.	50 mg/kg
(DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 Hig/Kg
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	50 mg/kg
CAS#:84-69-5	IN.D.	N.D.	N.D.	Jo mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	009	Metal with silvery plating
2	010	Transparent solid
3	011	White plastic with black coating
4	012	PCB(Tested as a whole)#



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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 or LOQ)
- -mg/kg = ppm = parts per million
- -1000 mg/kg = 0.1%
- -LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 µg/cm²
- - ∇ The sample is negative for Cr(VI) The Cr(VI) concentration is below 0.10 μ g/cm². The coating is considered a non-Cr(VI) based coating. Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Note: This testing report revised the full text based on the original report of No. A224012263810104.

This testing report displaces the original one which was invalid since the date of this testing report released.

マーところ ゴベン 音

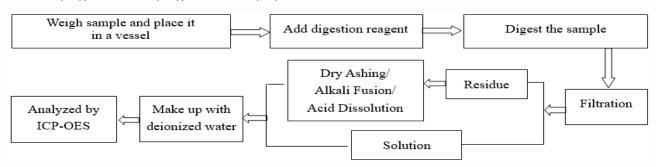


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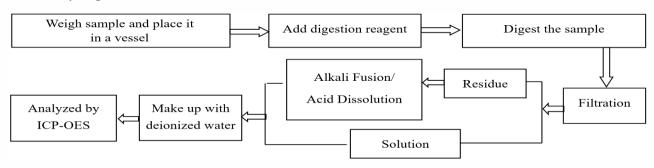
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Test Process

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

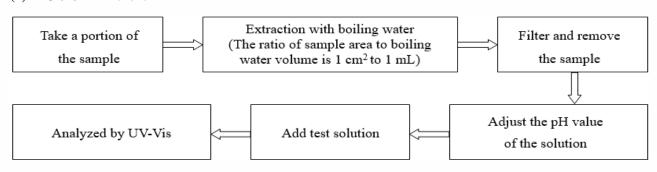


2. Mercury (Hg)

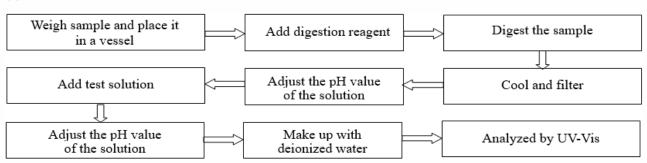


3. Hexavalent Chromium (Cr(VI))

(1) IEC 62321-7-1:2015



(2) IEC 62321-7-2:2017

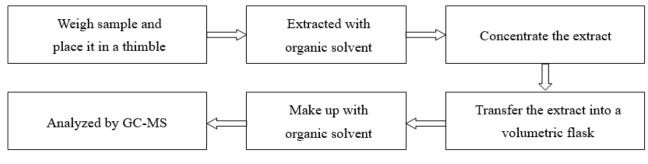




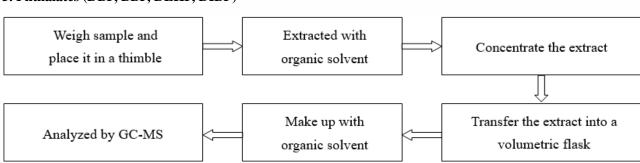
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4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



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





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Photo(s) of the sample(s)









Statement:

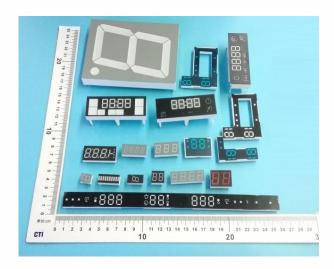
- 1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;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



Appendix

Client Reference Photo (Non-tested sample)





Statement:

- 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 A224012263810104R1.