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Company Name CHANGSHU LINZHI ELECTRONICS CO.,LTD

shown on Report

Address HIGH TECH PARK, JIANGSU CHANGSHU ECONOMIC DEVEIOPMENT

ZONE, CHINA

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

the applicant

Sample Name NTC Thermsitor(MF52 Series)

Sample Received Date Jul. 15, 2024

Testing Period Jul. 15, 2024 to Jul. 25, 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).

Conclusion

Tested Sample According to standard/directive Result

RoHS Directive 2011/65/EU with

Submitted Sample amendment (EU) 2015/863

PASS

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.

Hill Zheng

Technical Manager

No. R677504616

Jul. 25, 2024

Testing International Group Co.,Ltd.

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

Date



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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	UV-Vis/ICP-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)	IEC 02321-0.2013	GC-M2
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS

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Test Result(s)

Tested Item(s)	Result			MDL	Limit
rested item(s)	1	2	3	WIDL	Limit
Lead (Pb)	N.D.	N.D.	N.D.	10 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	10 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	10 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))			N.D. [▼]	0.10 µg/cm ² (LOQ)	1000 mg/kg
	N.D.	N.D.		20 mg/kg	1000 mg/kg

Tested Item(s)	Result	MDL	Limit
rested item(s)	3	MIDL	Limit
Polybrominated Biphenyls (PBE	3s)*		
Monobromobiphenyl	N.D.	100 mg/kg	
Dibromobiphenyl	N.D.	100 mg/kg	
Tribromobiphenyl	N.D.	100 mg/kg	
Tetrabromobiphenyl	N.D.	100 mg/kg	
Pentabromobiphenyl	N.D.	100 mg/kg	1000 /1
Hexabromobiphenyl	N.D.	100 mg/kg	1000 mg/kg
Heptabromobiphenyl	N.D.	100 mg/kg	
Octabromobiphenyl	N.D.	100 mg/kg	
Nonabromobiphenyl	N.D.	100 mg/kg	
Decabromobiphenyl	N.D.	100 mg/kg	

Tested Item(s)	Result	MDL	Limit
rested item(s)	3	WIDL	Limit
Polybrominated Diphenyl Ethers	(PBDEs)*		
Monobromodiphenyl ether	N.D.	100 mg/kg	
Dibromodiphenyl ether	N.D.	100 mg/kg	
Tribromodiphenyl ether	N.D.	100 mg/kg	
Tetrabromodiphenyl ether	N.D.	100 mg/kg	
Pentabromodiphenyl ether	N.D.	100 mg/kg	1000 /1
Hexabromodiphenyl ether	N.D.	100 mg/kg	1000 mg/kg
Heptabromodiphenyl ether	N.D.	100 mg/kg	
Octabromodiphenyl ether	N.D.	100 mg/kg	
Nonabromodiphenyl ether	N.D.	100 mg/kg	
Decabromodiphenyl ether	N.D.	100 mg/kg	



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Tested Item(s)	Result	MDL	Limit	
resteu item(s)	3	MIDL	Liiiiit	
Phthalates (DBP, BBP, DEHP, DI	(BP)*			
Dibutyl phthalate (DBP)	N.D.	50 /1	1000 mg/kg	
CAS#:84-74-2	N.D.	50 mg/kg		
Butyl benzyl phthalate (BBP)	N.D.	50 mg/lzg	1000 mg/lzg	
CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg	
Di-(2-ethylhexyl) phthalate	N.D.	50 mg/kg	1000 mg/kg	
(DEHP) CAS#:117-81-7	N.D.	30 mg/kg	1000 mg/kg	
Diisobutyl phthalate (DIBP)	N D	50 mg/lrg	1000 mg/lzg	
CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg	

Tested Item(s)	R	Result		Limit
Tested Item(s)	1	2	- MDL	Limit
Polybrominated Biphenyls (PB	Bs)			
Monobromobiphenyl	N.D.	N.D.	100 mg/kg	
Dibromobiphenyl	N.D.	N.D.	100 mg/kg	
Tribromobiphenyl	N.D.	N.D.	100 mg/kg	
Tetrabromobiphenyl	N.D.	N.D.	100 mg/kg	
Pentabromobiphenyl	N.D.	N.D.	100 mg/kg	1000 /1
Hexabromobiphenyl	N.D.	N.D.	100 mg/kg	1000 mg/kg
Heptabromobiphenyl	N.D.	N.D.	100 mg/kg	
Octabromobiphenyl	N.D.	N.D.	100 mg/kg	
Nonabromobiphenyl	N.D.	N.D.	100 mg/kg	
Decabromobiphenyl	N.D.	N.D.	100 mg/kg	



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Tested Item(s)	Result		MDL	Limit
rested item(s)	1	2	NIDL	Liiiit
Polybrominated Diphenyl Ethers	(PBDEs)			
Monobromodiphenyl ether	N.D.	N.D.	100 mg/kg	
Dibromodiphenyl ether	N.D.	N.D.	100 mg/kg	
Tribromodiphenyl ether	N.D.	N.D.	100 mg/kg	
Tetrabromodiphenyl ether	N.D.	N.D.	100 mg/kg	
Pentabromodiphenyl ether	N.D.	N.D.	100 mg/kg	1000 m a/lra
Hexabromodiphenyl ether	N.D.	N.D.	100 mg/kg	1000 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	100 mg/kg	
Octabromodiphenyl ether	N.D.	N.D.	100 mg/kg	
Nonabromodiphenyl ether	N.D.	N.D.	100 mg/kg	
Decabromodiphenyl ether	N.D.	N.D.	100 mg/kg	

Tested Item(s)	Result		MDL	Limit
rested item(s)	1	2	WIDL	Limit
Phthalates (DBP, BBP, DEHP, DI	BP)			
Dibutyl phthalate (DBP)	N.D.	N.D.	50 mg/lzg	1000 mg/kg
CAS#:84-74-2	N.D.	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP)	N.D.	N.D.	50 ma/lsa	1000 m a/lra
CAS#:85-68-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate	N.D.	N.D.	50 m a/lsa	1000 m a/lra
(DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP)	N.D.	N.D.	50 mg/lzg	1000 mg/kg
CAS#:84-69-5	IN.D.	N.D.	50 mg/kg	1000 mg/kg

Sample/Part Description

No.	CTI Sample ID	Description
1	1	Black body(Tested as a whole)#
2	2	Black wire jacket
3	3	Silvery metal wire



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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 µg/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: "*" indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.

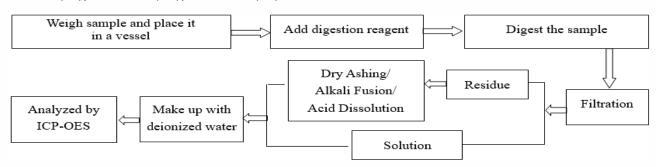
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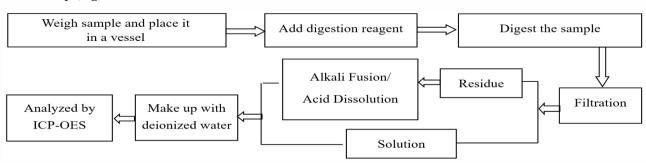
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Test Process

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

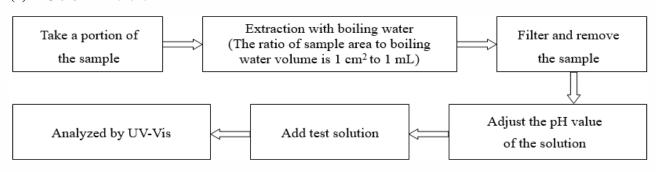


2. Mercury (Hg)

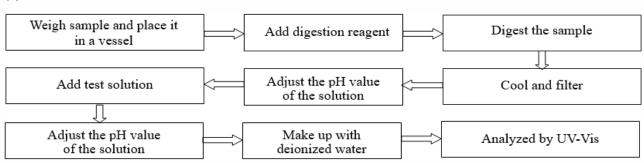


3. Hexavalent Chromium (Cr(VI))

(1) IEC 62321-7-1:2015



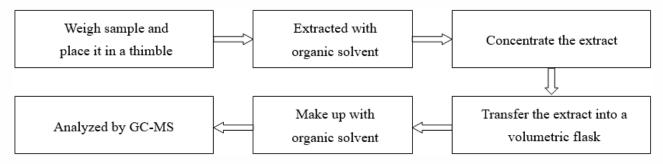
(2) IEC 62321-7-2:2017



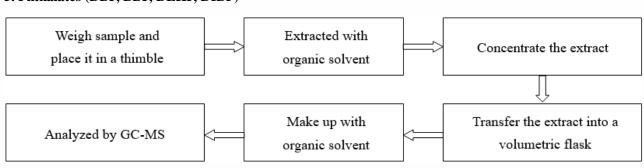


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4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



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



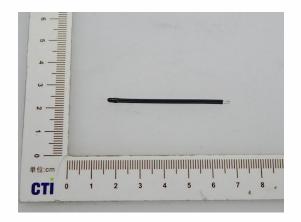
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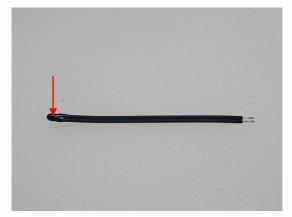


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Photo(s) of the sample(s)

Final Product 1





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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;
- 3. The result(s) shown in this report refer(s) only to the sample(s) tested;
- 4. 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 ***