



中国认可 国际互认 检测 TESTING CNAS L4429

Test Report

Report No. A2240636191101001

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Company Name shown on Report	HOLY ELECTRONICS(CHANGSHU)CO.,LTD)			
Address	CATED CHANGSHU XINZHUANG INDUSTRIAL PARK				
The following samp applicant	e(s) and sample information was/were submittee	l and identified by/on the behalf of the			
Sample Name	plate nickel				
Color	silvery white	-			
Sample Received Da	e Oct. 16, 2024	Oct. 16, 2024			
Testing Period	Oct. 16, 2024 to Oct. 19, 2024				
Test Requested		enyls (PBBs), Polybrominated Diphenyl EHP, DIBP), Beryllium(Be), Antimony(Sb), Iodine (I), Perfluorooctanoic Acid(PFOA),			
Test Method	Please refer to the following page(s).				
Test Result(s)	Please refer to the following page(s).				
*****	*******	*****			
Conclusion					
Tested Samp	According to standard/dire	ective Result			
Submitted Sam	le RoHS Directive 2011/65/EU	J with 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.

amendment (EU) 2015/863



Yan Song

Song Yan

Date

Oct. 19, 2024

No. R449756348

No.3286Chengyang Road, Xiangcheng District, Suzhou, Jiangsu



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Test Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	Refer to IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	Refer to IEC 62321-5:2013	ICP-OES
Mercury (Hg)	Refer to IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS
Beryllium(Be)	Refer to US EPA 3050B:1996 & US EPA 6010D:2018*	ICP-OES
Antimony(Sb)	Refer to US EPA 3050B:1996 & US EPA 6010D:2018*	ICP-OES
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
Perfluorooctanoic Acid(PFOA)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007*	LC-MS-MS
Perfluorooctane Sulfonates(PFOS)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007*	LC-MS-MS



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Test Result(s)

Tested Herry(s)	Result	MDL	Limit
Tested Item(s)	001	MIDL	
Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))	N.D. ▼	0.10 μg/cm ² (LOQ)	1000 mg/kg
Tested Item(s)	Result	MDL	Limit
	001		
Polybrominated Biphenyls (PBBs)			I
Monobromobiphenyl	N.D.	5 mg/kg	
Dibromobiphenyl	N.D.	5 mg/kg	
Tribromobiphenyl	N.D.	5 mg/kg	
Tetrabromobiphenyl	N.D.	5 mg/kg	
Pentabromobiphenyl	N.D.	5 mg/kg	1000 mg/kg
Hexabromobiphenyl	N.D.	5 mg/kg	
Heptabromobiphenyl	N.D.	5 mg/kg	
Octabromobiphenyl	N.D.	5 mg/kg	
Nonabromobiphenyl	N.D.	5 mg/kg	
Decabromobiphenyl	N.D.	5 mg/kg	
Tested Item(s)	Result	MDL	Limit
	001		
Polybrominated Diphenyl Ethers (PBDEs)			
Monobromodiphenyl ether	N.D.	5 mg/kg	
Dibromodiphenyl ether	N.D.	5 mg/kg	
Tribromodiphenyl ether	N.D.	5 mg/kg	
Tetrabromodiphenyl ether	N.D.	5 mg/kg	
Pentabromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg
Hexabromodiphenyl ether	N.D.	5 mg/kg	
Heptabromodiphenyl ether	N.D.	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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Test Result(s)

Tested Item(s)	Result 001	MDL	Limit
Phthalates (DBP, BBP, DEHP, DIBP)	001		
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg
Tested Item(s)	Result 001		MDL
Beryllium (Be)	N.D.		10 mg/kg
Antimony (Sb)			10 mg/kg
ested Item(s) Result 001		MDL	
Fluorine (F)	rine (F) N.D.		1 μg/cm ²
Chlorine (Cl)	N.D.		1 μg/cm ²
Bromine (Br)			1 μg/cm ²
Iodine (I)	N.D.		1 μg/cm ²
ested Item(s) Result 001		MDL	
Perfluorooctanoic Acid (PFOA)	orooctanoic Acid (PFOA) N.D.		0.5 μg/m ²
ested Item(s) Result 001		MDL	
Perfluorooctane Sulfonates (PFOS)) N.D.		0.5 μg/m ²

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Sample/Part Description

No.	CTI Sample ID	Description
1	001	Silvery white plating

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

-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/cm

-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 method(s) is (are) not in CNAS accreditation scope.

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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;
- 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 ***

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