





Report No.:WTF22H04078869X1C

Date:Apr. 28, 2022

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Applicant:Ar Leader P. C. B (Zhuhai) Ltd.Address:No. 1 Zhuoyue Road, Sanzao Town, Jinwan District, Zhuhai City

Sample Information:

Sample Name:	ELECTRO-GOLD PLATED PCB	
Sample Received Date:	Apr. 24, 2022	
Testing Period:	Apr. 24, 2022 - Apr. 27, 2022	

Test Result:

Please refer to the following page(s).

Test Requested:	Conclusion
As specified by client, to determine the Pb, Cd, Hg, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP	
content in the sample with reference to EU RoHS Directive 2011/65/EU and its amendment Directive	PASS
EU 2015/863.	

Signed for and on behalf of HCT

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Michael Huang

深圳市虹影检测 技术有限公司 报告专用章 米 1940、产品研发等目的, 仅供内部参考, 对社会不具有证明作用。

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深圳市虹彩检测技术有限公司 Shenzhen Hongcaï Testing Technology Co., Ltd 广东省深圳市龙村区龙岗街道新生社区莱茵路30-9 号 1 层、2 层、3 层(天基工业园 B 栋厂房) Building B, Tianji Industrial Park, Floor 1 & 2& 3 No. 30-9 Laiyin Road, Xinsheng Community, Longgang Street, Longgang District, Shenzhen, Guangdong, China Web www.hct-test.com "Email-honecai/abct-test.com" 无 CMA 标识报告中的结果仅用于客户科研、教学、内部质量控制、产品研发等目的,仅供内部参考,对社会不具有证明作用。 有 CNAS 标识报告中的""""代表该检测项目看未申请 CNAS 认可。The result(s) in no CMA logo report shall only be used for client's scientific research, teaching, internal quality control, product research and development, etc. and just for internal reference. does not prove to society. The """ in CNAS logo report means that the test item(s) was (were) currently not applying for CNAS action... Tei: (755-84616666 Fac. 765-89594380)





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Test Result(s):				Unit: mg/kg	
Test Items	Test Method/ Equipment	MDL	Content	EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863	
Lead(Pb)	IEC 62321-5:2013.	2	N.D.	1000	
Cadmium(Cd)	ICP-OES/AAS	2	N.D.	100	
Mercury(Hg)	IEC 62321-4:2013 +AMD1:2017. ICP-OES	2	N.D.	1000	
Hexavalent Chromium(Cr(VI))	IEC 62321-5:2013/ IEC 62321-7-2:2017. ICP-OES/AAS UV-VIS	8	N.D.	1000	
Mono-bromobiphenyl		5	N.D.	10	
Di-bromobiphenyl		5	N.D.		
Tri-bromobiphenyl	K.	5	N.D.	<u> </u>	
Tetra-bromobiphenyl	l.C	5	N.D.	Sc.	
Penta-bromobiphenyl		5	N.D.		
Hexa-bromobiphenyl	1	5	N.D.		
Hepta-bromobiphenyl	, C`	5	N.D.		
Octa-bromobiphenyl	N.	5	N.D.		
Nona-bromobiphenyl		5	N.D.		
Deca-bromobiphenyl		5	N.D.		
Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015.	_	N.D.	1000	
Mono-bromodiphenyl ether	GC-MS	5	N.D.		
Di-bromodiphenyl ether		5 6	N.D.		
Tri-bromodiphenyl ether	A.	5	N.D.	. ć	
Tetra-bromodiphenyl ether	2	5	N.D.	, A	
Penta-bromodiphenyl ether		5	N.D.	_	
Hexa-bromodiphenyl ether	A	5	N.D.	_	
Hepta-bromodiphenyl ether	10	5	N.D.	~	
Octa-bromodiphenyl ether		5	N.D.	101	
Nona-bromodiphenyl ether		5	N.D.	X.	
Deca-bromodiphenyl ether	1	5	N.D.	4	
Polybrominated DiphenylEthers(PBDEs)	xcî	-	N.D.	Appuggai Testing Technology 10000 済圳市東武 裕測	
DiphenylEthers(PBDEs)	<u></u>	2	¢	深圳市虹彩检测 技术有限公司 报告专用章	

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Test Items	Test Method/Equipment	MDL	Content	EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863
Dibutyl phthalate (DBP)		30	N.D.	1000
Butylbenzyl phthalate (BBP)	IEC 62321-8:2017,	30	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP)	GC-MS	30	N.D.	1000
Di-iso-butyl phthalate(DIBP)]	30	N.D.	1000

Note:

"—" =Not regulated

mg/kg (milligram per kilogram) = ppm (parts per million)

MDL=method detection limit

N.D.=not detected(less than method detection limit)

Results shown as N.D. are ignored in the sum calculation.

The detected Chromium (Cr) content is "N.D.", therefore, the Hexavalent Chromium (Cr (VI)) content is "N.D.", No need for validation test of the Hexavalent Chromium (Cr (VI)).

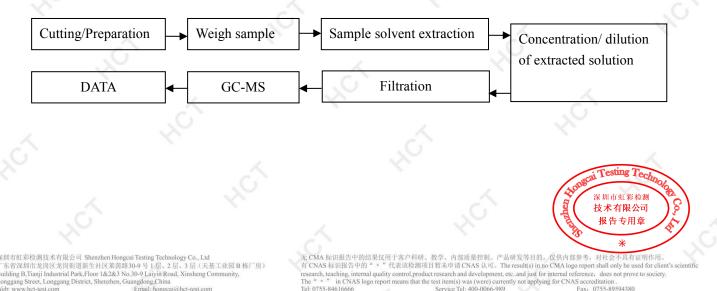
If Chromium (Cr) content exceeds Hexavalent Chromium (Cr (VI)) method detection limit, Validation test of the Hexavalent Chromium (Cr (VI)) is required.

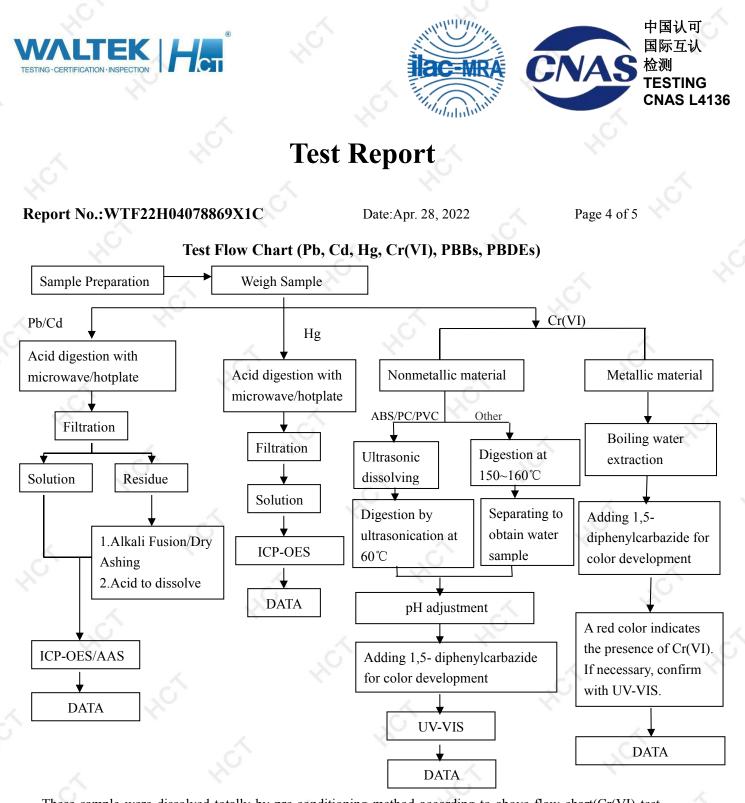
This report replaces the report which report No. is WTF22H04078869C

Sample Description:

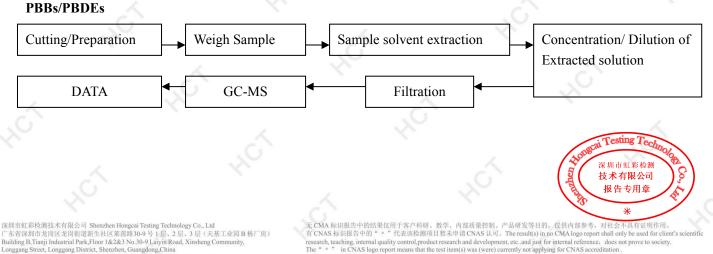
No	HCT Sample ID	Test Part Description	
(1	WTF22H04078867C~870C.3	3	Cream clad copper laminate board with green coating, silver plating

Test Flow Chart (DBP, BBP, DEHP, DIBP)





These sample were dissolved totally by pre-conditioning method according to above flow chart(Cr(VI) test method excluded)



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The photo of the sample



Statement:

- 1. This report is considered invalid without approved signature and special seal;
- 2. The Applicant name and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which HCT hasn't verified;
- 3. The result(s) shown in this report refer(s) only to the sample(s) tested;
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End



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