

Report No. : WTH20H08059814X1C-3 Date: Sep. 1, 2020

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Applicant:	Zhejiang Shanzhu 3D Technology Co., Ltd.
Address:	No. 518, Xianyuan Road, Wucheng District, Jinhua City, Zhejiang Province

Sample Information:

Sample Name:	silk
Sample Description:	Copper plastic
Color:	Copper, Gold, Silver
Sample No.:	WTH20H08059814C01
Sample Received Date:	Aug. 26, 2020
Testing Period:	Aug. 26, 2020 - Aug. 29, 2020

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.	4

Signed for and on behalf of HCT michael Huang



深圳市虹彩检测技术有限公司 Shenzhen Hongcai Testing Technology Co., Ltd 广东省深圳市龙岗区龙岗街道近代北区菜馆路10-9 日 / 是, 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: hongcai@hct-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" *"代表该检测项目智未申请 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 fest time(s) was (were) currently not applying for CNAS accreditation . Tel: 0755-84616666 Service Tel: 400-0066-989 Fax: 0755-89554380



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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.	
Di-bromobiphenyl		5	N.D.	
Tri-bromobiphenyl		5	N.D.	
Tetra-bromobiphenyl		5	N.D.	
Penta-bromobiphenyl		5	N.D.	
Hexa-bromobiphenyl		5	N.D.	
Hepta-bromobiphenyl		5	N.D.	
Octa-bromobiphenyl		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	N.D.	G
Tri-bromodiphenyl ether	1	5	N.D.	
Tetra-bromodiphenyl ether		5	N.D.	
Penta-bromodiphenyl ether		5	N.D.	
Hexa-bromodiphenyl ether		5	N.D.	
Hepta-bromodiphenyl ether		5	N.D.	
Octa-bromodiphenyl ether		5	N.D.	
Nona-bromodiphenyl ether		5	N.D.]
Deca-bromodiphenyl ether	\sim	5	N.D.	
Polybrominated DiphenylEthers(PBDEs)		_	N.D.	1000



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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)	IEC 62321-8:2017, GC-MS	30	N.D.	1000
Butylbenzyl phthalate (BBP)		30	N.D.	1000
Di-(2-ethylhexyl) Phthalate(DEHP)		30	N.D.	1000
Di-iso-butyl phthalate(DIBP)		30	N.D.	1000

Note: mg/kg=ppm= parts per million

MDL=method detection limit

"—" =Not regulated

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)).

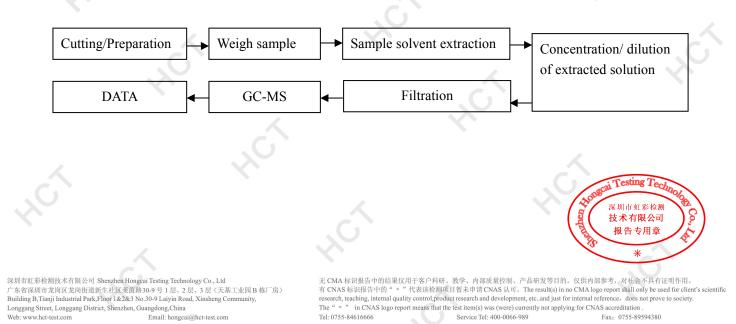
If Chromium (Cr) content exceeds Hexavalent Chromium (Cr (VI)) method detection limit, Validation test of the Hexavalent Chromium (Cr (VI)) is required.

As specified by client, only test the designated sample.

Result(s) of specimen(s) is(are) quoted from HCT report No.WTH20H08059814X1C-1.

This report replaces the report which report No. is WTH20H08059814C-3.

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

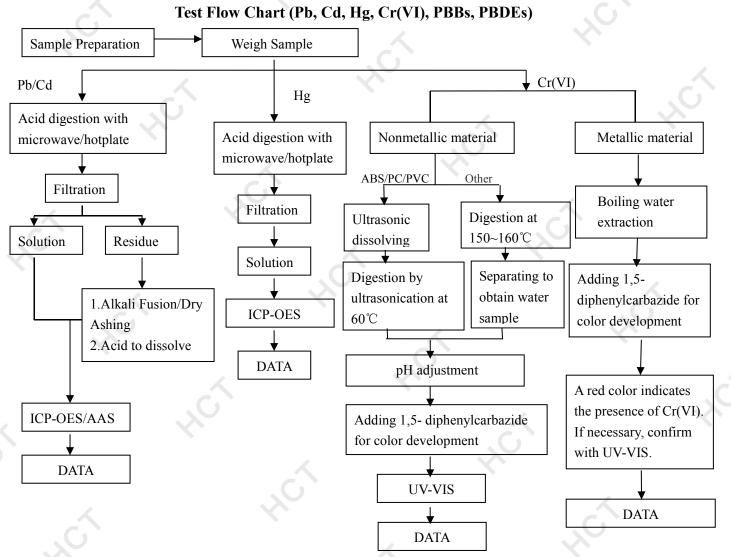




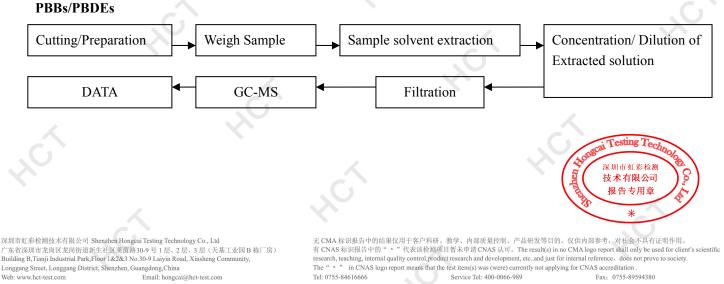
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These sample were dissolved totally by pre-conditioning method according to above flow chart(Cr(VI) test method excluded)

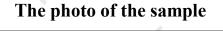




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***End ***

This report will go into effect with HCT stamp. This report could not be revised. This report is only responsible for the test result of received samples. Without written authorization, any copy of this report for propaganda is invalid.



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