



中国认可  
国际互认  
检测  
TESTING  
CNAS L4136



# TEST REPORT

Report No ..... : WTF23H02028671X1C  
Applicant ..... : Shenzhen Yajingxin Electron Co.,Ltd  
Address ..... : Room 402,Yutian Mansion,No.196,Dongyuan Road,Futian District,Shenzhen City.  
Sample Name ..... : Quartz crystal resonator  
Client Ref. Info. .... : SMD2012 2016 2520 3215 3225 5032  
Test Requested ..... : 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 EU 2015/863.  
Test Conclusion ..... : PASS  
Date of Receipt sample ..... : 2023-02-23  
Testing period ..... : 2023-02-23 ~ 2023-02-25  
Date of Issue ..... : 2023-03-08  
Test Result ..... : Refer to next page (s)

Prepared By:

Shenzhen Hongcai Testing Technology Co., Ltd.

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Signed for and on behalf of  
Shenzhen Hongcai Testing Technology Co., Ltd.



Michael Huang  
Shenzhen Hongcai Testing Technology Co., Ltd.  
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# Test Result(s):

Test Method/Equipment: IEC 62321-5:2013, IEC 62321-4:2013+AMD1:2017, IEC 62321-7-2:2017, IEC 62321-6:2015, IEC 62321-8:2017; ICP-OES/AAS, UV-VIS, GC-MS

Test Item(s)	Unit	MDL	Result(s)	Limit
			1	
Lead(Pb)	mg/kg	2	ND	1000
Cadmium(Cd)	mg/kg	2	ND	100
Mercury(Hg)	mg/kg	2	ND	1000
Hexavalent Chromium(Cr(VI))	mg/kg	8	ND	1000
Monobromobiphenyl	mg/kg	5	ND	—
Dibromobiphenyl	mg/kg	5	ND	—
Tribromobiphenyl	mg/kg	5	ND	—
Tetrabromobiphenyl	mg/kg	5	ND	—
Pentabromobiphenyl	mg/kg	5	ND	—
Hexabromobiphenyl	mg/kg	5	ND	—
Heptabromobiphenyl	mg/kg	5	ND	—
Octabromobiphenyl	mg/kg	5	ND	—
Nonabromobiphenyl	mg/kg	5	ND	—
Decabromobiphenyl	mg/kg	5	ND	—
Polybrominated Biphenyls(PBBs)	mg/kg	—	ND	1000
Mono-bromodiphenyl ether	mg/kg	5	ND	—
Di-bromodiphenyl ether	mg/kg	5	ND	—
Tri-bromodiphenyl ether	mg/kg	5	ND	—
Tetra-bromodiphenyl ether	mg/kg	5	ND	—
Penta-bromodiphenyl ether	mg/kg	5	ND	—
Hexa-bromodiphenyl ether	mg/kg	5	ND	—
Hepta-bromodiphenyl ether	mg/kg	5	ND	—
Octa-bromodiphenyl ether	mg/kg	5	ND	—
Nona-bromodiphenyl ether	mg/kg	5	ND	—
Deca-bromodiphenyl ether	mg/kg	5	ND	—
Polybrominated Diphenyl Ethers(PBDEs)	mg/kg	—	ND	1000
Dibutyl phthalate(DBP)	mg/kg	30	ND	1000
Butylbenzyl phthalate(BBP)	mg/kg	30	ND	1000
Di-(2-ethylhexyl) phthalate(DEHP)	mg/kg	30	ND	1000
Di-iso-butyl phthalate(DIBP)	mg/kg	30	ND	1000

## Note:

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

ND=Not Detected

MDL=Method Detection Limit



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Report No.: WTF23H02028671X1C

Results shown as ND are ignored in the sum calculation.

The detected Chromium (Cr) content is "ND", therefore, the Hexavalent Chromium (Cr (VI)) content is "ND", 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.

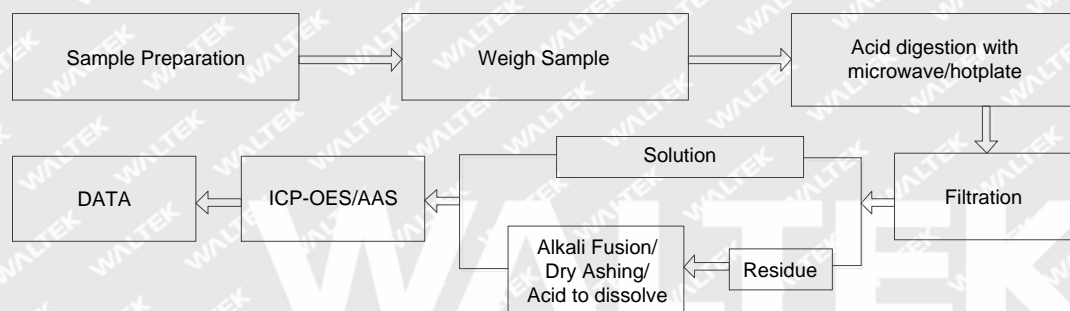
This report replaces the report which report No. is WTF23H02028671C.

#### Sample Description:

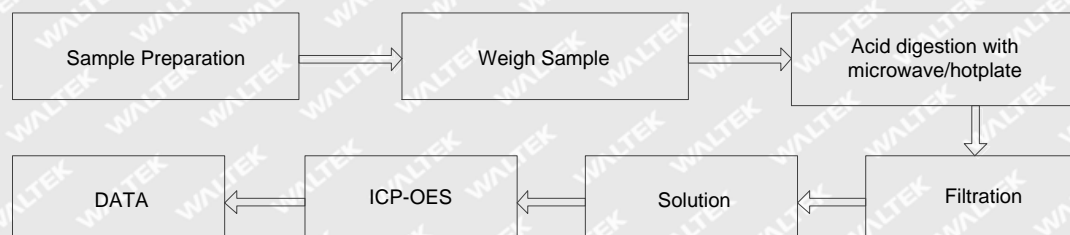
No.	HCT Sample ID	Test Part Description	
1	WTF23H02028671C.1	1	Silver body crystal oscillator

#### Test Flow Chart:

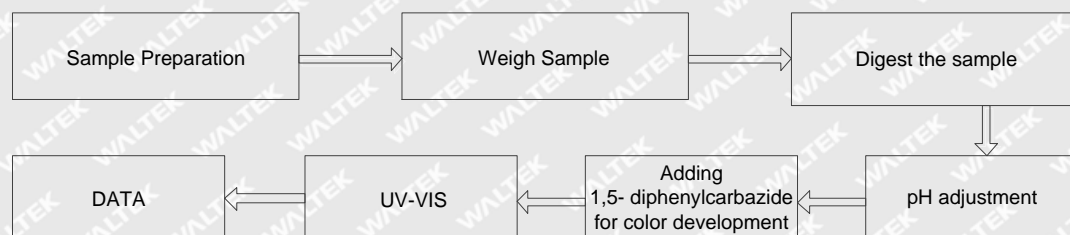
Lead(Pb),Cadmium(Cd),Chromium (Cr)



Mercury(Hg)



Hexavalent Chromium(Cr(VI))



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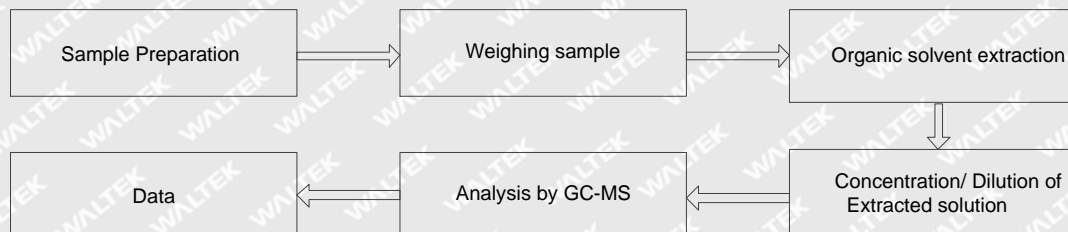
<http://www.hct-test.com>





Report No.: WTF23H02028671X1C

PBBs, PBDEs, DBP, BBP, DEHP, DIBP



The photo of the sample



WTF23H02028671C.1



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Report No.: WTF23H02028671X1C

**Client's reference photo(Non-tested 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)(conclusion) shown in this report refer(s) only to the sample(s) tested.
4. Without written approval of HCT, this report can't be reproduced except in full.
5. 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.
6. The "n" in CNAS logo report means that the test item(s) was (were) currently not applying for CNAS accreditation.
7. Decision rules used in this report:  
(1)According to the Decision rules in the regulations/standards listed in the Test Requested;  
(2)If there is no Decision rules specified in the regulations listed in the Test Requested, then according to CNAS-GL015 Guidelines on Decision Rules and Statements of Conformity, 6.2.1, Simple Acceptance ( $w=0$ ) of The binary Decision rule:  
PASS (Accepted) - The measured value is within the tolerance interval.  
FAIL (Rejected) - The measured value is outside the tolerance interval.

===== End of Report =====



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