

Test Report

Report No. : WTH19H03016913CE

Date: Mar. 27, 2019

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Applicant: DONGGUAN CITY SHUNHUA ELECTRONIC CO., LTD

Address: NO. 13, LANE 2, ZHONGXINJIN ROAD, SHUIKOU VILLAGE, DALANG TOWN,
DONGGUAN CITY

Report on the submitted sample(s) said to be:

Sample Name: Silica gel ink

Sample Description: Dark gray ink

Sample Model: SH-0469、SH-0450、SH-0451、SH-0452、SH-0453、SH-0454、SH-0455、SH-0456、
SH-0457、SH-0458、SH-0459、SH-9206、SH-1200、SH-P3010、SH-P3012、
SH-P3015、SH-P3017、SH-P4017、SH-P4018、SH-P4020、SH-P4021、SH-P1001、
SH-P1002、SH-P5020、SH-P5023、SH-P5025、SH-P5026、SH-P6006、SH-P6008、
SH-P6004、SH-P6025、SH-P6026、SH-P6027、SH-P7002、SH-P7003、SH-P7004、SH-P7006、
SH-P7007、SH-P8001、SH-P8002、SH-P8003、SH-P8004、SH-P8006

Sample No.: WTH19H03016913C01

Sample Received Date: Mar. 23, 2019

Testing Period: Mar. 23, 2019 - Mar. 27, 2019

Test Requested: As specified by client, to determine the Pb, Cd, Hg, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP content in the submitted sample.

Test Method: Please refer to the following page(s).

Test Result: Please refer to the following page(s).

Conclusion: Based on the performed tests on submitted samples, the results of Pb, Cd, Hg, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by EU RoHS Directive 2011/65/EU and its amendment Directive EU 2015/863.

Signed for and on behalf of HCT



Michael Huang



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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. ICP-OES/AAS	2	N.D.	1000	
Cadmium(Cd)		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	IEC 62321-6:2015. GC-MS	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)		—	N.D.		1000
Mono-bromodiphenyl ether		5	N.D.		—
Di-bromodiphenyl ether	5	N.D.			
Tri-bromodiphenyl ether	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	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)

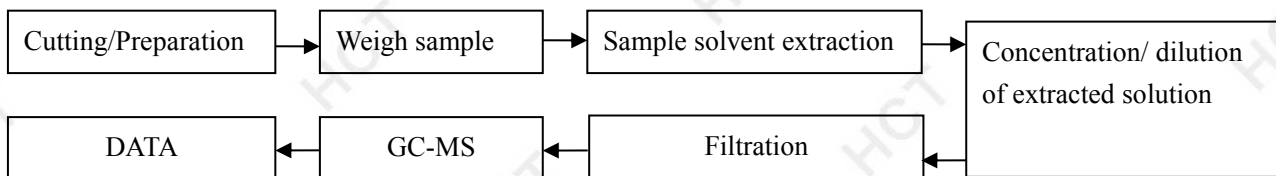
Results shown as N.D. are ignored in the sum calculation.

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.

The result(s) of specimen(s) is(are) of total weight of dry sample.

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



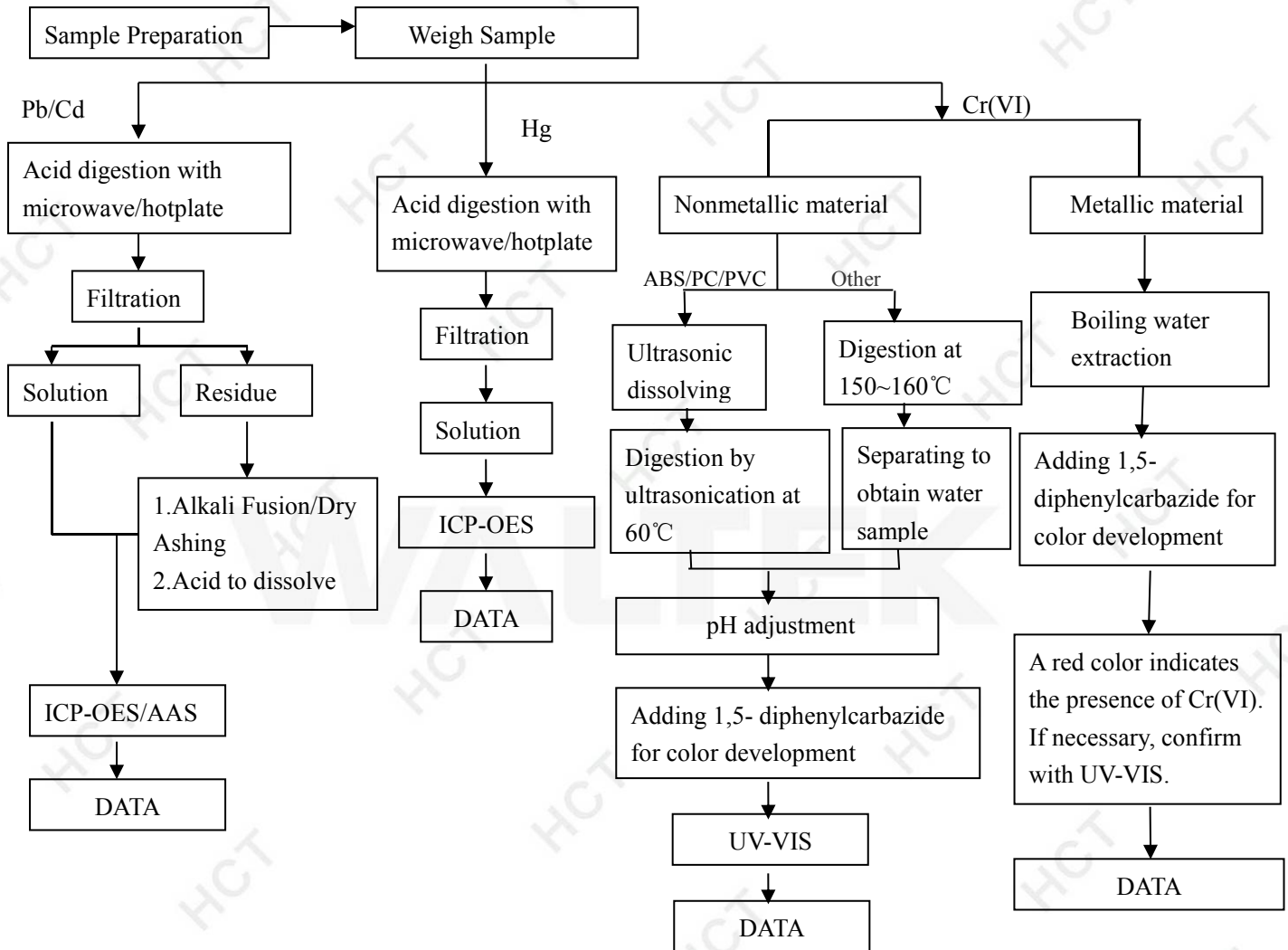
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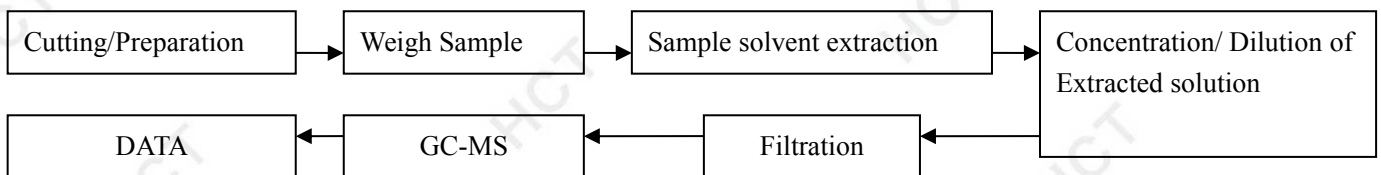
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Test Flow Chart (Pb, Cd, Hg, Cr(VI), PBBs, PBDEs)



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

PBBs/PBDEs



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The photo of the sample



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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 submitted samples. Without written authorization, any copy of this report for propaganda is invalid.

