

Test Report

Report No. A2180017016101002R1

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Applicant TIANJIN XINGANGYUANHENGDA TECHNOLOGY CO.,LTD
Address 21#ROAD NO.6 INDUSTRIAL PARK, XIAOZHAN TOWN, JINNAN
DISTRICT, TIANJIN

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client

Sample Name Black/Black&White Tape
Part No. TS-T##B (Black Acrylic Single Tape);
TS-T##BW Tape; TS-DT##B (Black Acrylic Double Tape)
Item No. HD20171215001
Sample Received Date Feb. 9, 2018
Testing Period Feb. 9, 2018 to Feb. 13, 2018

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium(Cr(VI)), Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Phthalates(DBP, BBP, DEHP, DIBP), Chlorine(Cl), Bromine(Br), Beryllium(Be), Phosphorus(P), Nickel(Ni), Tin(Sn), Sulfur(S), Antimony(Sb), Antimony trioxide (Sb_2O_3), Organic-tins compounds in the submitted sample(s).

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

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

Tested by Sain
Approved by Monica
Technical Manager
Centre Testing International Jinbin (Tianjin) Co., Ltd.
Inspection & Testing Services
检验检测专用章

Reviewed by Bmily
Date Feb. 26, 2018

No. R216451046

No.99, Xianfeng East Road, Dongli District, Tianjin, China

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Test Method

Tested Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
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
Chlorine(Cl)	Refer to EN 14582:2016	IC
Bromine(Br)	Refer to EN 14582:2016	IC
Beryllium(Be)	Refer to US EPA 3052:1996 & US EPA 6010D:2014	ICP-OES
Phosphorus(P)	Refer to US EPA 3052:1996 & US EPA 6010D:2014	ICP-OES
Nickel(Ni)	Refer to US EPA 3052:1996 & US EPA 6010D:2014	ICP-OES
Tin(Sn)	Refer to US EPA 3052:1996 & US EPA 6010D:2014	ICP-OES
Sulfur(S)	Refer to EN 14582:2016	IC
Antimony(Sb)	Refer to US EPA 3052:1996 & US EPA 6010D:2014	ICP-OES
Antimony trioxide (Sb ₂ O ₃)*	Refer to US EPA 3052:1996 & US EPA 6010D:2014	ICP-OES
Organic-tins compounds	Refer to ISO 17353:2004(E)	GC-MS

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Test Result(s)

Tested Item(s)	Result	MDL
Lead (Pb)	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	2 mg/kg
Mercury (Hg)	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg

Tested Item(s)	Result	MDL
Polybrominated Biphenyls(PBBs)		
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
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
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
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	MDL
Phthalates		
Dibutyl phthalate(DBP) CAS#:84-74-2	N.D.	50 mg/kg
Benzyl butyl phthalate(BBP) CAS#:85-68-7	N.D.	50 mg/kg
Di-2-ethylhexyl phthalate(DEHP) CAS#:117-81-7	N.D.	50 mg/kg
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg

Tested Item(s)	Result	MDL
Halogen(s)		
Chlorine (Cl)	N.D.	10 mg/kg
Bromine (Br)	N.D.	10 mg/kg

Tested Item(s)	Result	MDL
Beryllium(Be)	N.D.	10 mg/kg
Phosphorus(P)	N.D.	20 mg/kg
Nickel(Ni)	170 mg/kg	2 mg/kg
Tin(Sn)	N.D.	10 mg/kg
Sulfur(S)	78 mg/kg	50 mg/kg
Antimony(Sb)	N.D.	10 mg/kg
Antimony trioxide (Sb ₂ O ₃)*	N.D.	10 mg/kg

Tested Item(s)	Result	MDL
Organic-tins compounds		
Dibutyl Tins(DBT)	N.D.	5 mg/kg
Dioctyl Tins(DOT)	N.D.	5 mg/kg
Monobutyltin trichloride(MBT)	N.D.	5 mg/kg
Bis(tributyltin)oxide (TBTO)	N.D.	5 mg/kg
Triphenyltin chloride(TPHT)	N.D.	5 mg/kg
Tributyltin chloride(TBT)	N.D.	5 mg/kg

Tested Sample/Part Description

Mixed test, black/white plastic with adhesive paste and two kinds of black plastic with adhesive paste

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

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

-*Calculated result of Antimony trioxide is based on the result of Antimony (Sb).

As specified by client, the test was conducted by mixing several samples together.

The result(s) shown on this report may be different from the content of any homogeneous material.

This testing report displaces the original report of No. A2180017016101002, and the original one No. A2180017016101002 was invalid since the date of this testing report released.

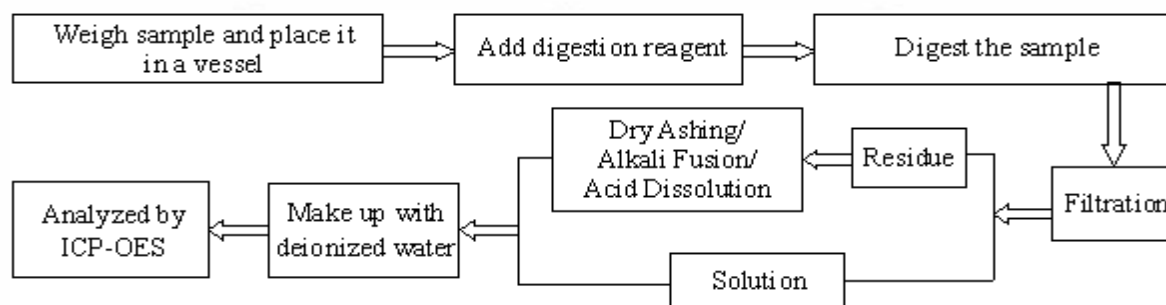
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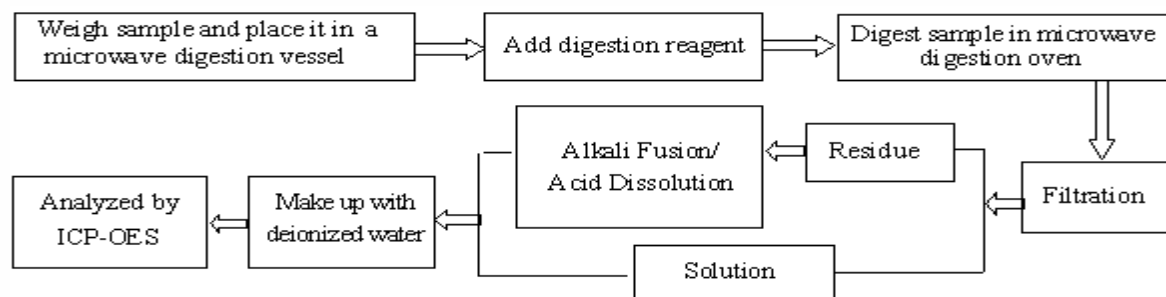
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Test Process

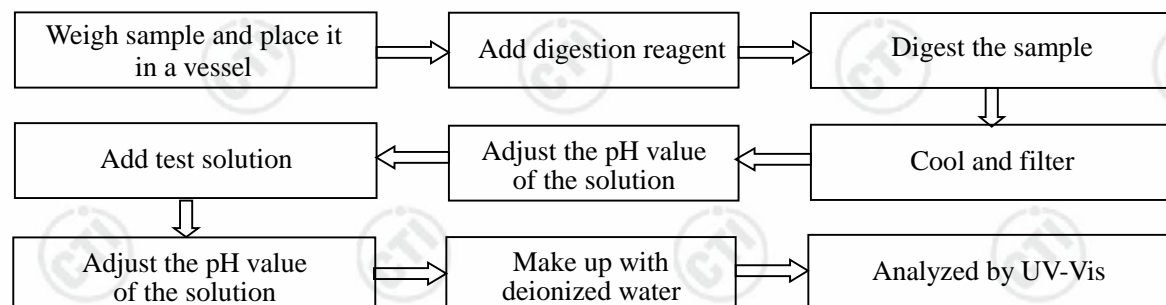
1. Lead(Pb), Cadmium(Cd), Chromium(Cr)



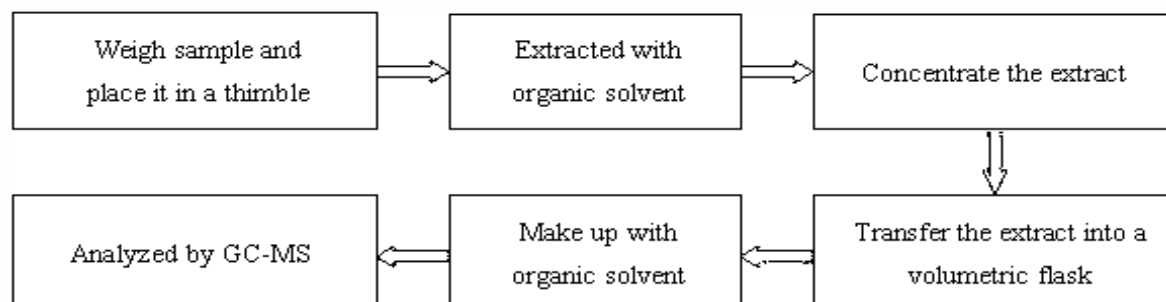
2. Mercury(Hg)



3. Hexavalent Chromium (Cr(VI))



4. Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs)

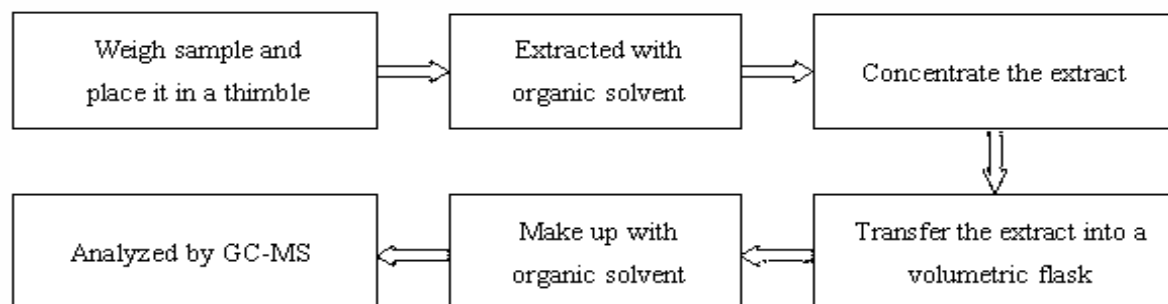


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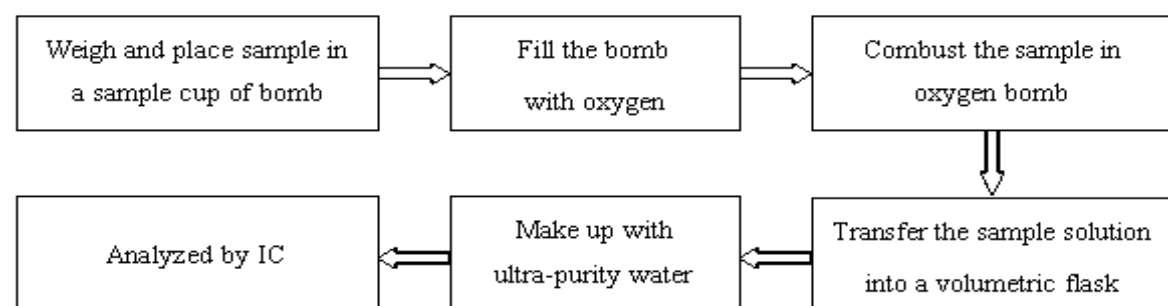
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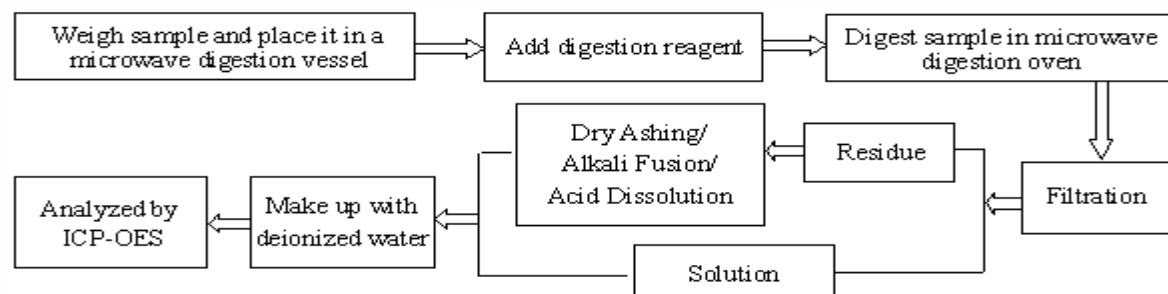
5. Phthalates(DBP, BBP, DEHP, DIBP)



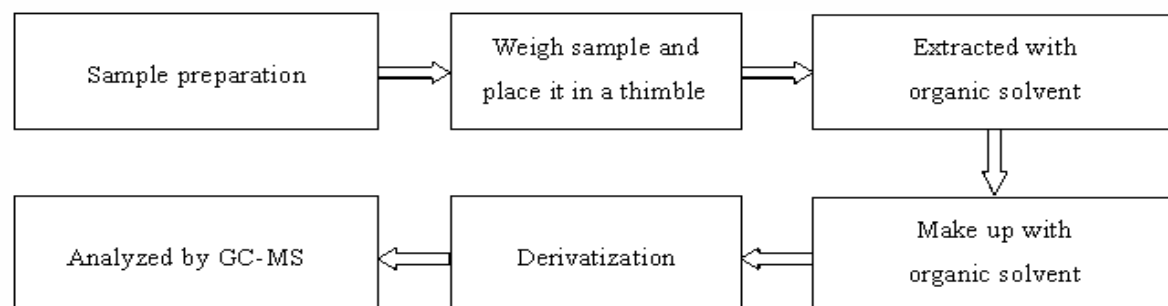
6. Chlorine(Cl), Bromine(Br), Sulfur(S)



7. Beryllium(Be), Phosphorus(P), Nickel(Ni), Tin(Sn), Antimony(Sb), Antimony trioxide (Sb₂O₃)



8. Organic-tins compounds

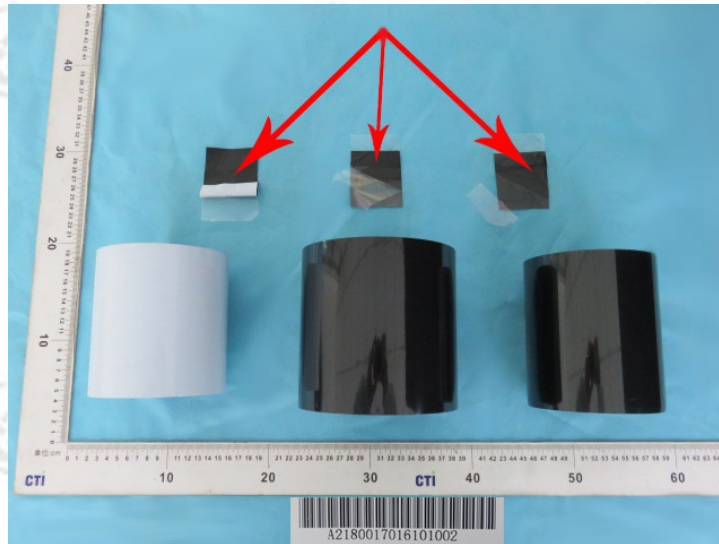


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Photo(s) of the sample(s)



*** End of report ***

Statement:

1. This report is considered invalidated without approval signature, special seal and the seal on the perforation;
2. The sample(s) and sample Information was/were provided by the client 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. Without written approval of CTI, this report can't be reproduced except in full;
5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.