

Test Report



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Report No. A2230008440101001

Company Name ZHEJIANG HUAFON TPU CO.,LTD
shown on Report

Address NO.1688 KAIFUQU RD, RUIAN ECONOMIC DEVELOPMENT ZONE, ZHEJIANG, CHINA

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

Sample Name HF-1095A-PF

Material TPU

Sample Received Date Jan. 6, 2023

Testing Period Jan. 6, 2023 to Jan. 11, 2023

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) in the submitted sample(s).

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

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



Approved by

Chen Kaimin

Chen kaimin

Lab Manager

Date

Jan. 11, 2023

No. R188385388

Centre Testing International Pinbiao(Shanghai) Co., Ltd.

No.1351, Wanfang Road, Minhang District, Shanghai, China

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Test Method

Test 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+AMD1:2017 CSV	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

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Test Result(s)

Tested Item(s)	Result	MDL
	001	
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
	001	
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
Tested Item(s)	Result	MDL
	001	
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
	001	
Phthalates (DBP, BBP, DEHP, DIBP)		
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg
Butyl benzyl 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

Sample/Part Description

No.	CTI Sample ID	Description
1	001	Colorless transparent plastic particle

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

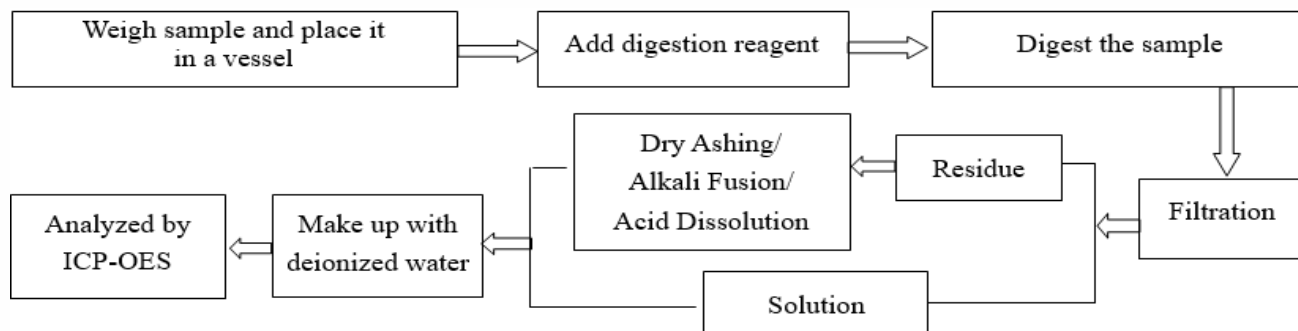
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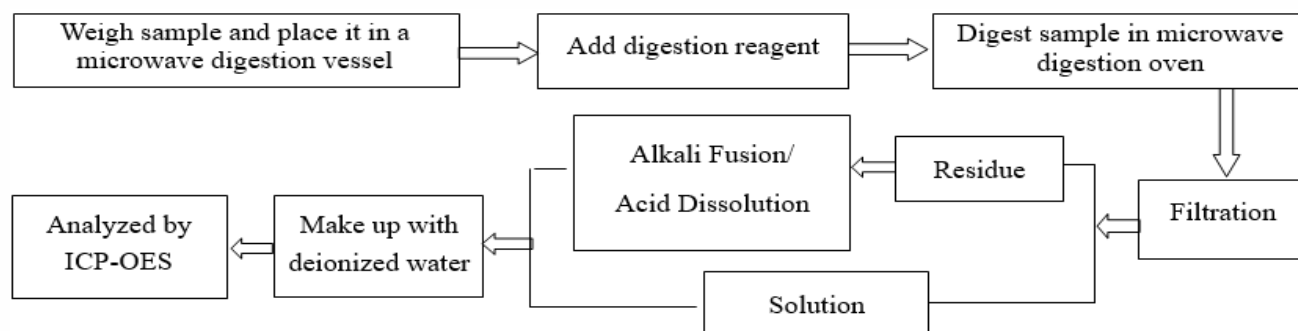
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Test Process

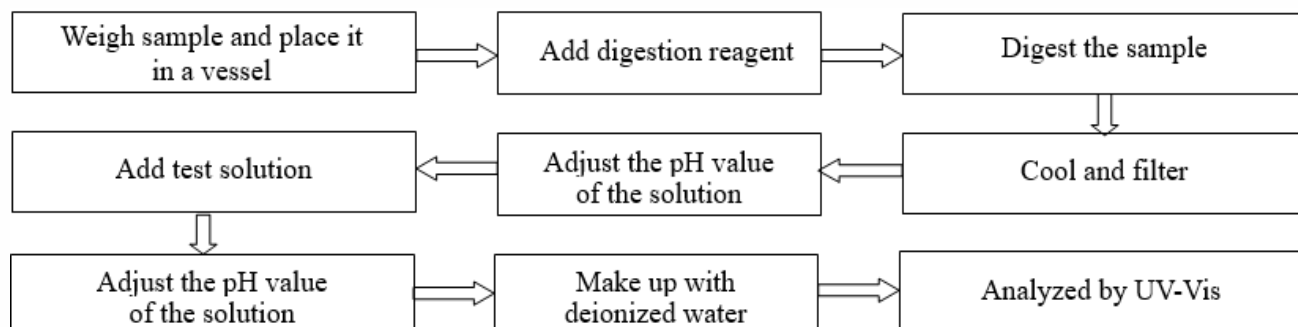
1. Lead (Pb), Cadmium (Cd), Chromium (Cr)



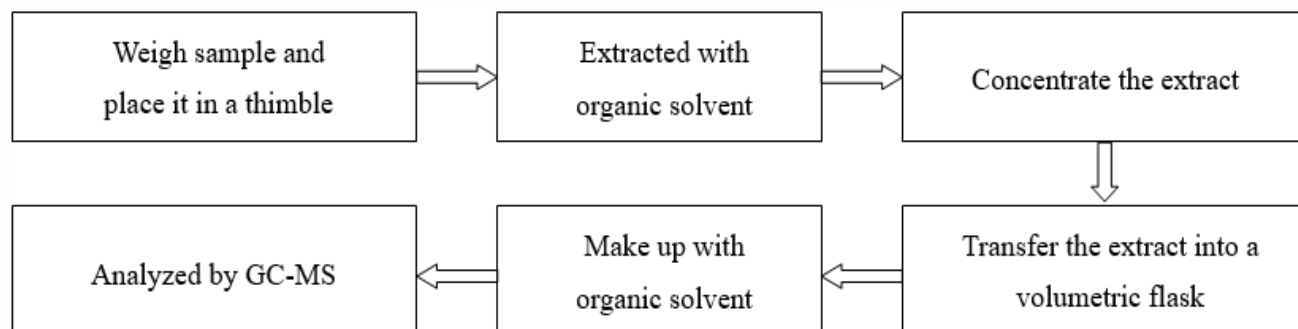
2. Mercury (Hg)



3. Hexavalent Chromium (Cr(VI))



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

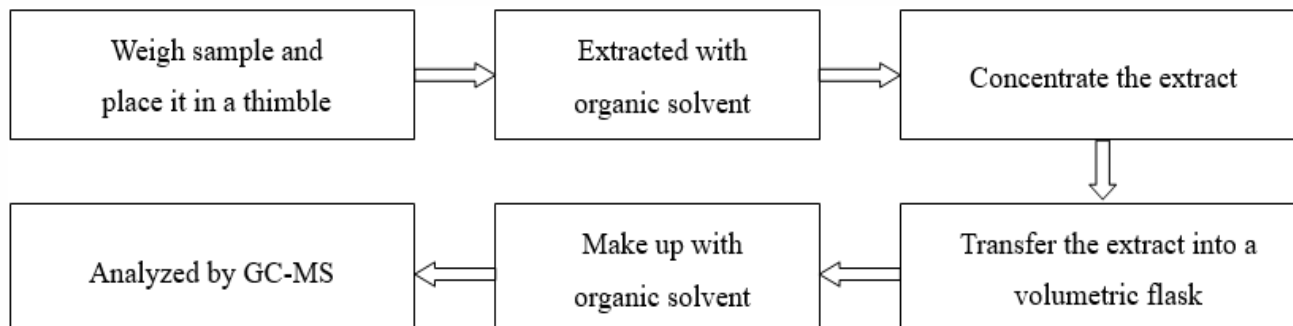


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5. Phthalates (DBP, BBP, DEHP, DIBP)

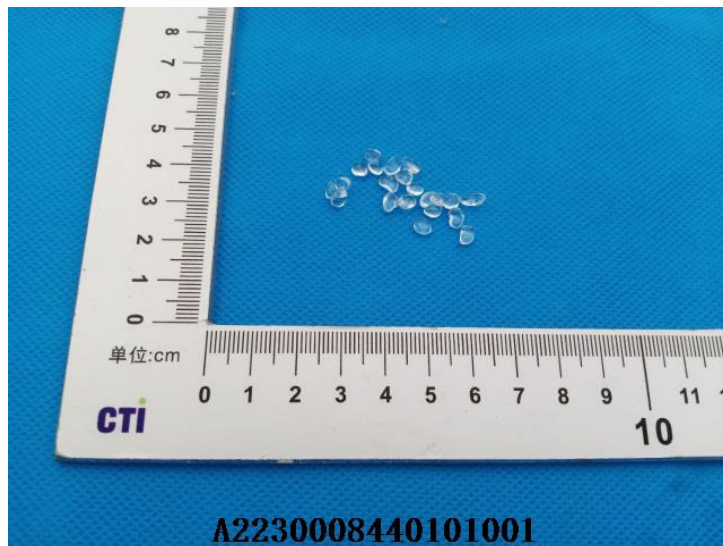


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Photo(s) of the sample(s)



Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant 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.

*** End of report ***

Appendix

Client Reference Information

HF-3H70A、HF-3H70A-1、HF-3H75A、HF-3H75A-1、HF-3H75A-4、HF-3H75AHN、HF-3H80A、HF-3H80A-3、
HF-3H80A-5、HF-3H80A-5PF、HF-3H80A-5PF (FX)、HF-3H80A-8、HF-3H80A-8PF、HF-3H80A-10、
HF-3H80A-10PF、HF-3H80AL、HF-3H80AL-1、HF-3H80AL-1PF、HF-3H80AL-6、HF-3H80AU-2、
HF-3H80AU-10PF、HF-3H82A-2、HF-3H85A、HF-3H85A-1、HF-3H85A-3、HF-3H90A-3、HF-3H90A-3(FX)、
HF-3H90A-3PF、HF-3H95、HF-3H95A-1、HF-3H95A-3、HF-3H95A-5、HF-3H95A-7、HF-3H95A-9、
HF-3H95A-10、HF-3H95AH、HF-3H95AL-1、HF-3H95AL-1S、HF-3H95AL-2、HF-3H95SL、HS-3002E、
HF-3002EH-2、HF-3002EH-5、HF-3000LS、HF-4003LH、HF-4003LH-2、HF-4003LH-5、HF-4003LH-6、
HF-3750Y-1、HF-4703Y-1、HF-1055AP-2、HF-1060APU-1、HF-1060D、HF-1065AP-1、HF-1060DS、HF-1065D、
HF-1065DU、HF-1070AP、HF-1070AP(FX)、HF-1070APN、HF-1070AX-1、HF-1070AXS、HF-1070AP-1、
HF-1070APU-1、HF-1070APU-2、HF-1071D、HF-1075AP、HF-1075APU、HF-1075APU-2、HF-1080AP、
HF-1080APU-2、HF-1085A、HF-1085APU-2、HF-1085AS、HF-1085AS-2、HF-1085AS-3、HF-1085AU、
HF-1090AL-3、HF-1090AH-1、HF-1090AH-3、HF-1090ALN、HF-1090ALN-1、HF-1090ALN-8、HF-1090AS、
HF-1090AU-1、HF-1093A、HF-1095A、HF-1095A-PF、HF-1095A-1、HF-RH1095A-2、HF-1095ALN、
HF-1095AU、HF-1098A、HF-1098A-1、HF-1098A-6、HF-1098AS、HF-1098AU、HF-1170AP、HF-1170AP-3、
HF-1173AP、HF-1175AP、HF-1175AP-3、HF-1175APU、HF-1180AP、HF-1180A-2、HF-1180AP-2、
HF-1180AP-3、HF-1185A、HF-1185A-1、HF-1190A、HF-1190AL-3、HF-1195A-6、HF-1198A-1、HF-1265AP、
HF-1275AP、HF-1280AX、HF-1285AX、HF-1370A-1、HF-1370A-1PF、HF-1370ASTU、HF-1370ASTU-1、
HF-1380A、HF-1380A-PF、HF-1380AC-1、HF-1385AC、HF-1385AC-3PF、HF-1385AC-5、HF-1385AC-6、
HF-1385AC-6PF、HF-1385AC-12PF、HF-1385ACU、HF-1385ACU-6、HF-1385ACU-7、HF-1388A、
HF-1388A-1、HF-1388A-3、HF-1398A、HF-1398A-1、HF-1675APU、HF-1890AF、HF-2060D、HF-2060D-1、
HF-2385A-1、HF-2385A-1PF、HF-2385A-2、HF-2385A-3、HF-2385A-4、HF-2385A-9、HF-2395A、HF-2395A-1、
HF-2395A-22、HF-2395A-25、HF-2398A、HF-2398A-1、HF-2398A-2、HF-2398A-10、HF-2398A-22、
HF-2398A-25、HF-3060DS、HF-3070AP、HF-3080AST-2、HF-3085A、HF-3085AST-2、HF-3085AST-3、
HF-3085AST-3(FX)、HF-3090AE、HF-3090AE-2、HF-3090AST、HF-3090AST-1、HF-3090AST-4、
HF-3090AST-5、HF-3090ASTU-1、HF-3090AU、HF-3095AE、HF-3095AST-3、HF-3098A、HF-3098AU、
HF-3098ASTU、HF-3190A、HF-3190A(FX)、HF-3190AU、HF-3190AUF、HF-3195A-5、HF-3195AE、
HF-3195AE-3、HF-3198A-1、HF-3380A、HF-3380AH-1、HF-3380AU-PF、HF-3385A、HF-3385A-PF、
HF-3385AN-PF、HF-3385A-3、HF-3385A-3PF、HF-3385A-6、HF-3385A-6PF、HF-3385A-6PF(FX)、
HF-3385A-7、HF-3385A-15PF、HF-3385AEU-1、HF-3385ASTU-5、HF-3385AU、HF-3385AU-1、
HF-3390AEU-1、HF-3390AN-PF、HF-3390ASTU-3、HF-3390ASTU-5、HF-3390ASTU-7、HF-3390AX、
HF-3390AX-1、HF-3390AE-2、HF-3390AE-2PF、HF-3395AH、HF-3395AN-PF、HF-3395AX、HF-3395AX-2、
HF-3395AX-3、HF-3395AX-3PF、HF-3395AX-4、HF-3395AX-5、HF-3395AX-5PF、HF-3398AN、
HF-3398AN-1、HF-3492A、HF-3492A-4、HF-3492AT、HF-3495A、HF-3495AT、HF-3495AT-1、HF-3495A-6、
HF-3665D、HF-3685A、HF-3685AU、HF-3695AT、HF-3695AU、HF-3698AYL、HF-3795AX、HF-3885A-1、
HF-3885AC-7、HF-3885AC-8、HF-3885AE-3、HF-3885AE-5、HF-3885AEU-3、HF-3890A-1、HF-3890AC、
HF-3890AC-4、HF-3890AE-1、HF-3890AE-2、HF-3890AE-3、HF-3890AE-4、HF-3890AN、HF-3890AN-PF、
HF-3895AE、HF-3895ASU-1PF、HF-4080A-1、HF-4085AF-1、HF-4085ANF、HF-4088A、HF-4380AC-1、
HF-4385A-1、HF-4385AH-3、HF-4385AL-2、HF-4385AL-2(FX)、HF-4385AN、HF-4385AHM-9、HF-4390A、
HF-4390A(FX)、HF-4390AN-1、HF-4390AST-4、HF-4395A-1、HF-4395AN-2、HF-75AE、HF-75AE(FX)、
HF-7093A4F、HF-8H60A、HF-8090A、HF-80AE、HF-85AE-1、HF-85AEU、HF-92AE-2、HF-92AE-3、
HF-92AEU、HF-95AE、HF-95AEU、HF-RH1090A-5、HF-QT95AH、HF-QT95AH-2、HF-QT95AHU、
HF-SC85A、HF-90MVT-4、HF-90MVT-7、HF-90MVT-7PF、YT-03、YT-04、HF-795A、F-01、190、HF-3952A-1、
HF-3952A-2、HF-3952A-3、HF-3952A-4、HF-3952A-5、HF-3952A-6、HF-3952A-7、HF-3952A-8、HF-3952A-9、
HF-S3952A-1、HF-S3952A-2、HF-S3952A-3、HF-S3952A-4、HF-S3952A-5、HF-S3952A-6、HF-S3952A-7、
HF-S3952A-8、HF-S3952A-9、HF-S4703Y-1、HF-S4703Y-1、HF-S4703Y-2、HF-S4703Y-3、HF-S4703Y-4

Statement:

1. The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. The Appendix Information is/are the supplement(s) for the Report A2230008440101001.