



中国认可
国际互认
检测
TESTING
CNAS L4136



WTF22H09188043R1C



检测报告(Test Report)

报告编号(Report No.): WTF22H09188043R1C

日期(Date): 2022/9/20

页数(Page): 1 of 7

委托单位: 广州和记芳川工贸有限公司

Applicant: Guangzhou Heji Fangchuan Industry and Trade Co., Ltd.

单位地址: 广州市南沙区大岗镇北龙路 120 号之一 101 厂

Address: 101 Factory, One of No. 120, Beilong Road, Dagang Town, Nansha District, Guangzhou City.

样品信息(Sample Information):

样品名称(Sample Name): 保温隔热板(Thermal insulation board)

委托日期(Sample Received Date): 2022/9/17

检测日期(Testing Period): 2022/9/17 - 2022/9/20

检测结果(Test Result): 请参见后续页(Please refer to following page(s)).

检测要求(Test Requested):

根据客户要求, 参照欧盟 RoHS 指令 2011/65/EU 及其修订指令 EU 2015/863&客户限值, 检测样品中的铅、镉、汞、六价铬、多溴联苯、多溴二苯醚、DBP、BBP、DEHP、DIBP 的含量(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&Client's Limit.)

结论(Conclusion)

合格(PASS)

授权签字人

Signed for and on behalf of HCT

黄胜明 Michael Huang

黄胜明 Michael Huang





检测报告(Test Report)

报告编号(Report No.): WTF22H09188043R1C

日期(Date): 2022/9/20

页数(Page): 2 of 7

检测结果(Test Result(s)):

单位(Unit): mg/kg

检测项目 (Test Items)	检测方法/仪器 (Test Method/ Equipment)	方法 检出限 (MDL)	含量 (Content)	客户限值 (Client's Limit)
铅 Lead(Pb)	IEC 62321-5:2013.	2	N.D.	800
镉 Cadmium(Cd)	ICP-OES/AAS	2	N.D.	50
汞 Mercury(Hg)	IEC 62321-4:2013 +AMD1:2017. ICP-OES	2	N.D.	800
六价铬 Hexavalent Chromium(Cr(VI))	IEC 62321-5:2013/ IEC 62321-7-2:2017. ICP-OES/AAS UV-VIS	8	N.D.	800
一溴联苯 Mono-bromobiphenyl	WALTEK	5	N.D.	—
二溴联苯 Di-bromobiphenyl		5	N.D.	
三溴联苯 Tri-bromobiphenyl		5	N.D.	
四溴联苯 Tetra-bromobiphenyl		5	N.D.	
五溴联苯 Penta-bromobiphenyl		5	N.D.	
六溴联苯 Hexa-bromobiphenyl		5	N.D.	
七溴联苯 Hepta-bromobiphenyl		5	N.D.	
八溴联苯 Octa-bromobiphenyl		5	N.D.	
九溴联苯 Nona-bromobiphenyl		5	N.D.	
十溴联苯 Deca-bromobiphenyl		5	N.D.	
多溴联苯 Polybrominated Biphenyls(PBBs)	IEC 62321-6:2015.	—	N.D.	800
一溴二苯醚 Mono-bromodiphenyl ether	GC-MS	5	N.D.	—
二溴二苯醚 Di-bromodiphenyl ether		5	N.D.	
三溴二苯醚 Tri-bromodiphenyl ether		5	N.D.	
四溴二苯醚 Tetra-bromodiphenyl ether		5	N.D.	
五溴二苯醚 Penta-bromodiphenyl ether		5	N.D.	
六溴二苯醚 Hexa-bromodiphenyl ether		5	N.D.	
七溴二苯醚 Hepta-bromodiphenyl ether		5	N.D.	
八溴二苯醚 Octa-bromodiphenyl ether		5	N.D.	
九溴二苯醚 Nona-bromodiphenyl ether		5	N.D.	
十溴二苯醚 Deca-bromodiphenyl ether		5	N.D.	
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)		—	N.D.	





检测报告(Test Report)

报告编号(Report No.): WTF22H09188043R1C

日期(Date): 2022/9/20

页数(Page): 3 of 7

检测项目 (Test Items)	检测方法/仪器 (Test Method/Equipment)	方法检出限 (MDL)	含量 (Content)	客户限值 (Client's Limit)
邻苯二甲酸二正丁酯 Dibutyl phthalate (DBP)	IEC 62321-8:2017, GC-MS	30	N.D.	800
邻苯二甲酸丁苄酯 Butylbenzyl phthalate (BBP)		30	N.D.	800
邻苯二甲酸二(2-乙基己基)酯 Di-(2-ethylhexyl) Phthalate (DEHP)		30	N.D.	800
邻苯二甲酸二异丁酯 Di-iso-butyl phthalate (DIBP)		30	N.D.	800

备注(Note):

“—”=Not regulated 无规定

mg/kg (milligram per kilogram 毫克每千克) = ppm (parts per million 百万分之一)

MDL=Method Detection Limit 方法检出限

N.D.=Not Detected(less than method detection limit), 未检出 (小于方法检出限)

Results shown as N.D. are ignored in the sum calculation. 结果显示为 N.D.不计入总和的计算。

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)).检测的铬 (Cr) 含量是 “N.D.”，则六价铬 (Cr(VI)) 含量也是 “N.D.”，不需要进行六价铬 (Cr(VI)) 的确认性测试。

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

若铬 (Cr) 含量超过六价铬 (Cr(VI)) 方法检出限，需要进行六价铬 (Cr(VI)) 的确认性测试。

样品描述(Sample Description):

序号 (No.)	HCT 样品 ID (HCT Sample ID)	检测点描述 (Test Part Description)		
1	WTF22H09188043C~48C.1	1	白色毛毡	White felt



*



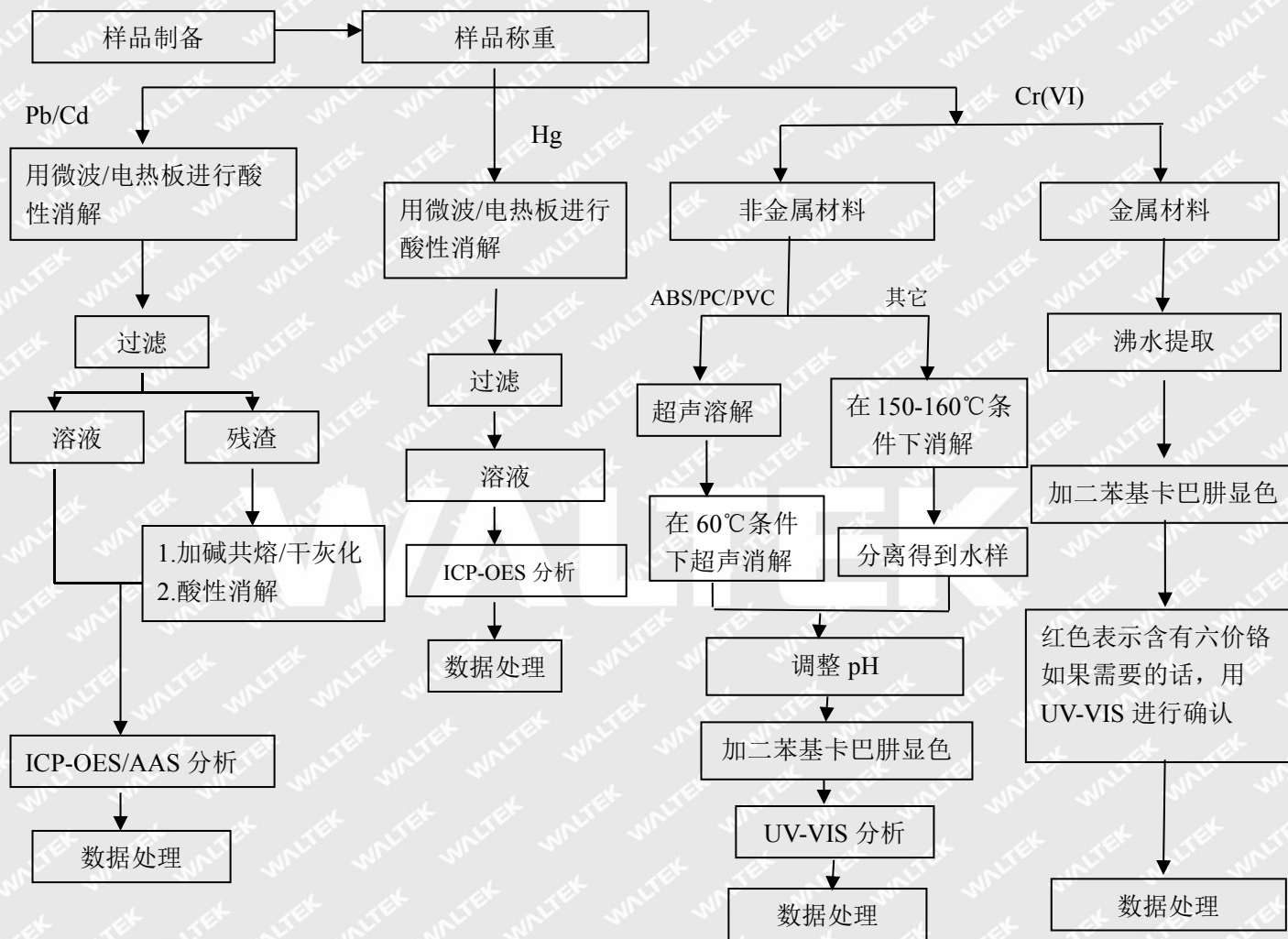
检测报告(Test Report)

报告编号(Report No.): WTF22H09188043R1C

日期(Date): 2022/9/20

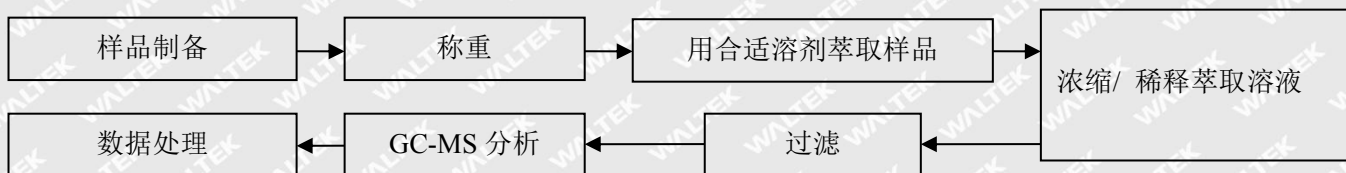
页数(Page): 4 of 7

铅、镉、汞、六价铬、多溴联苯、多溴二苯醚的检测流程图



根据以上的流程图之条件, 样品已经完全溶解(六价铬检测方法除外)。

PBBs/PBDEs





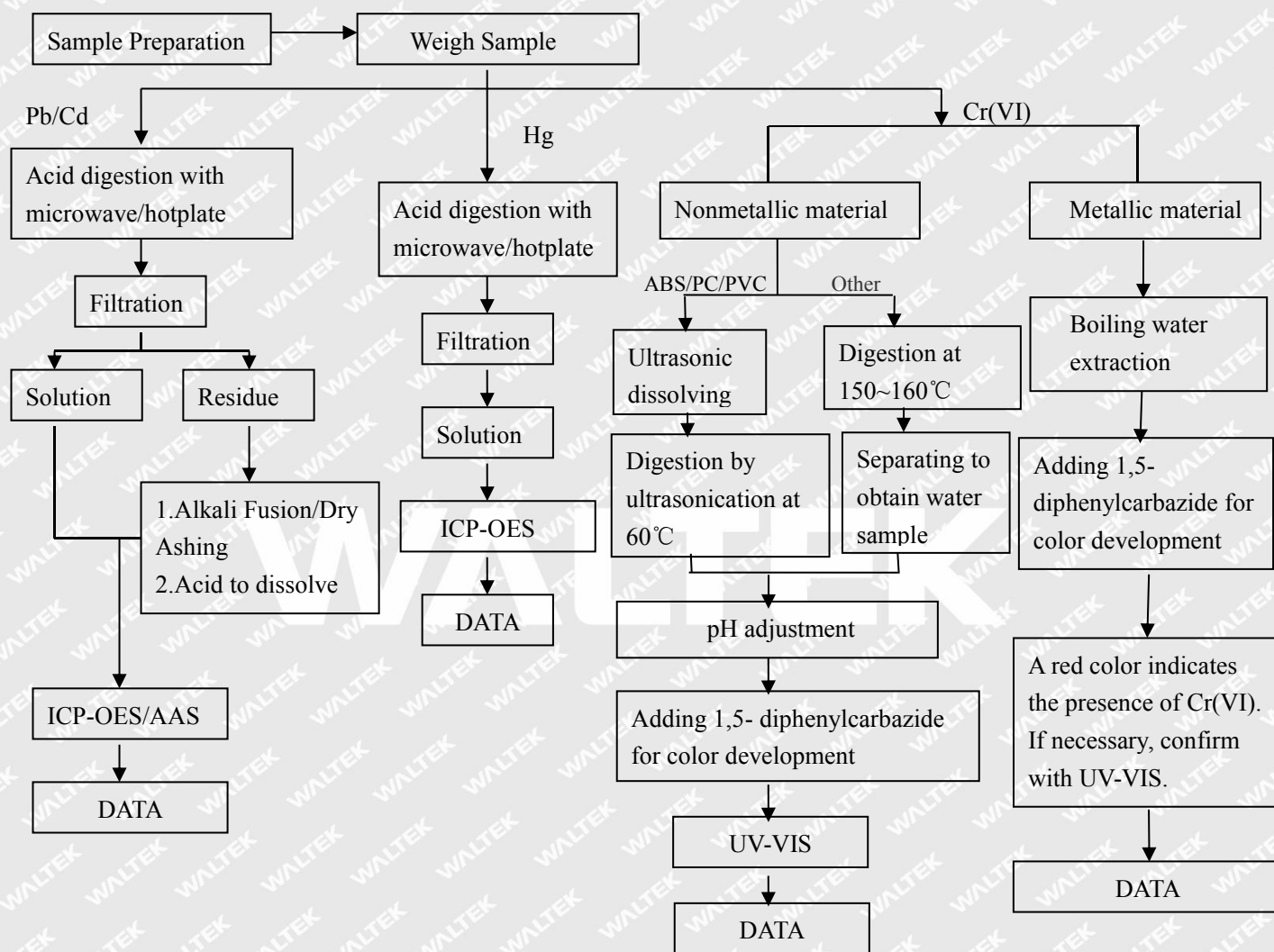
检测报告(Test Report)

报告编号(Report No.): WTF22H09188043R1C

日期(Date): 2022/9/20

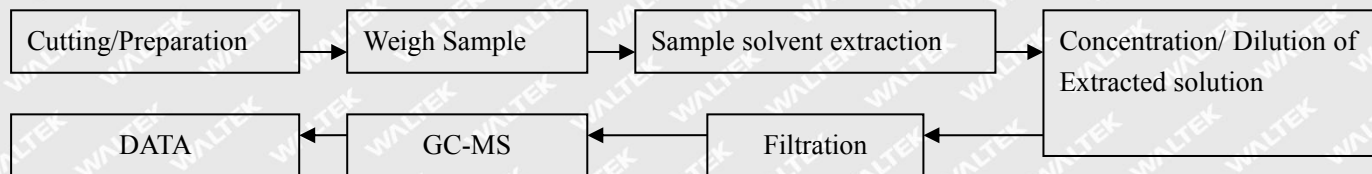
页数(Page): 5 of 7

Test Flow Chart for 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





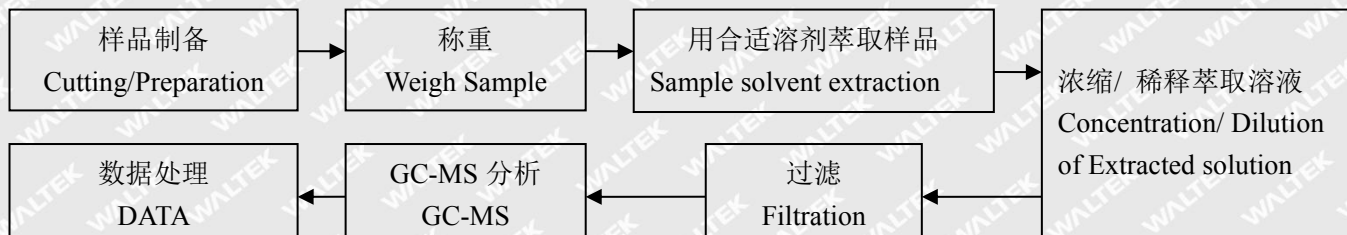
检测报告(Test Report)

报告编号(Report No.): WTF22H09188043R1C

日期(Date): 2022/9/20

页数(Page): 6 of 7

DBP, BBP, DEHP, DIBP 的检测流程图 (Test Flow Chart for DBP, BBP, DEHP, DIBP)



样品附图(The photo of the sample)



WTF22H09188043C~48C.1





检测报告(Test Report)

报告编号(Report No.): WTF22H09188043R1C

日期(Date): 2022/9/20

页数(Page): 7 of 7

声明(Statement):

1. 检测报告无批准人签字和专用章无效;

This report is considered invalid without approved signature and special seal;

2. 委托单位及地址, 样品和样品信息由委托方提供, 委托方应对其真实性负责, HCT 未核实其真实性;

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. 本报告检测结果(结论)仅对受测样品负责;

The result(s)(conclusion) shown in this report refer(s) only to the sample(s) tested;

4. 未经 HCT 书面同意, 不得部分复制本报告;

Without written approval of HCT, this report can't be reproduced except in full;

5. 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;

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. 有 CNAS 标识报告中的“n”代表该检测项目暂未申请 CNAS 认可;

The “n” in CNAS logo report means that the test item(s) was (were) currently not applying for CNAS accreditation;

7. 本报告使用的判定规则:

Decision rules used in this report:

(1)按照检测要求列的法规/标准中规定的判定规则;

(2)如果检测要求列的法规中没有规定判定规则的话,则按照《CNAS-GL015 判定规则和符合性声明指南》6.2.1 简单接受(w=0)的判定规则:

合格(接受)--测得值位于容许区间以内。

不合格(拒绝)--测得值位于容许区间以外。

(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.

报告结束(End)

