



中国认可
国际互认
检测
TESTING
CNAS L4136



检测报告 TEST REPORT

报告编号/ Report No..... : WTF24H06141707C
委托方/ Applicant : 宜兴市海燕塑料制品有限公司
Yixing Haiyan Plastic Products Co., Ltd
地址/ Address : 宜兴市万石镇工业集中区北区/ North District of Industrial
Concentration Zone in Wanshi Town, Yixing City
样品名称/ Sample Name : JZ-LB-140
检测要求/ Test Requested : 参见报告下页/ Refer to next page (s)
检测结论/ Test Conclusion : 参见报告下页/ Refer to next page (s)
样品接收日期/ Date of Receipt sample : 2024-06-18
检测周期/ Testing period : 2024-06-18 ~ 2024-06-22
报告日期/ Date of Issue..... : 2024-06-22
检测结果/ Test Result..... : 参见报告下页/ Refer to next page (s)

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授权签字人

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



王刚/Wong Wang

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HCT/RF-23-19

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检测要求/ Test Requested	检测结论/ Test Conclusion
参照《包装材料中有毒物质控制示范法规 (TPCH) 2021 更新》，对样品进行以下项目检测：/ Determine the following item(s) in the sample with reference to Toxics in Packaging Clearinghouse Model Legislation(TPCH) 2021 Update:	
- 铅、镉、汞、六价铬的含量/ Lead, Cadmium, Mercury and Hexavalent Chromium content	合格/ PASS
- 邻苯二甲酸酯及其它增塑剂的含量/ Phthalates and other Plasticizer content	合格/ PASS
- 全氟和多氟烷基化合物(PFAS)含量的总氟筛选测试/ Total Fluorine Screening for Perfluoroalkyl and polyfluoroalkyl substances (PFAS) content	合格/ PASS

检测结果/ Test Result(s):

铅、镉、汞、六价铬的含量/ Lead, Cadmium, Mercury and Hexavalent Chromium content

检测方法/仪器/ Test Method/Equipment: IEC 62321-5:2013, IEC 62321-4:2013+AMD1:2017, IEC 62321-7-2:2017; ICP-OES, UV-VIS

检测项目 Test Item(s)	单位 Unit	方法检出限 MDL	结果 Result(s)	限值 Limit
铅 Lead(Pb)	mg/kg	2	ND	—
镉 Cadmium(Cd)	mg/kg	2	ND	—
汞 Mercury(Hg)	mg/kg	2	ND	—
六价铬 Hexavalent Chromium(Cr(VI))	mg/kg	8	ND	—
铅、镉、汞、六价铬之和 Total [Pb+Cd+Hg+Cr(VI)]	mg/kg	—	ND	100

邻苯二甲酸酯及其它增塑剂的含量/ Phthalates and other Plasticizer content

检测方法/仪器/ Test Method/Equipment: CPSC-CH-C1001-09.4; GC-MS

序号 No.	检测项目 Test Item(s)	CAS 号 CAS No.	单位 Unit	方法 检出限 MDL	结果 Result(s)	限值 Limit
1	邻苯二甲酸二正丁酯 Dibutylphthalate(DBP)	84-74-2	mg/kg	30	ND	—
2	邻苯二甲酸丁苄酯 Butylbenzylphthalate(BBP)	85-68-7	mg/kg	30	ND	—
3	邻苯二甲酸二(2-乙基己基)酯 Di-(2-ethylhexyl) phthalate(DEHP)	117-81-7	mg/kg	30	ND	—
4	邻苯二甲酸二正辛酯 Di-n- octyl phthalate(DNOP) ⁿ	117-84-0	mg/kg	30	ND	—



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序号 No.	检测项目 Test Item(s)	CAS 号 CAS No.	单位 Unit	方法 检出限 MDL	结果 Result(s)	限值 Limit
5	邻苯二甲酸二异壬酯 Di-isononyl phthalate(DINP)	28553-12-0/68515-48-0	mg/kg	100	ND	—
6	邻苯二甲酸二异癸酯 Di-isodecylphthalate(DIDP) ⁿ	26761-40-0/68515-49-1	mg/kg	100	ND	—
7	邻苯二甲酸二正己酯 Di-n-hexyl phthalate(DNHP)	84-75-3	mg/kg	30	ND	—
8	邻苯二甲酸二异丁酯 Di-isobutyl phthalate(DIBP)	84-69-5	mg/kg	30	ND	—
9	邻苯二甲酸二乙酯 Diethyl phthalate(DEP) ⁿ	84-66-2	mg/kg	30	ND	—
10	邻苯二甲酸二丙酯 (DPP/DPrP) Di-propyl phthalate(DPP/DPrP) ⁿ	131-16-8	mg/kg	30	ND	—
11	邻苯二甲酸二异辛酯 Di-isooctyl phthalate(DIOP) ⁿ	27554-26-3	mg/kg	100	ND	—
12	邻苯二甲酸二戊酯 (DPP/DnPP/DPENP) Di-n-pentyl phthalate(DPP/DnPP/DPENP)	131-18-0	mg/kg	30	ND	—
13	邻苯二甲酸二环己酯 (DCP/DCHP) Di-cyclohexyl phthalate(DCP/DCHP)	84-61-7	mg/kg	30	ND	—
14	邻苯二甲酸二甲酯 Dimethyl phthalate(DMP) ⁿ	131-11-3	mg/kg	30	ND	—
15	邻苯二甲酸二壬酯 Di-nonyl phthalate(DNP) ⁿ	84-76-4	mg/kg	30	ND	—
16	邻苯二甲酸二异庚酯 Diheptyl phthalate(DIHepP) ⁿ	3648-21-3	mg/kg	30	ND	—
17	邻苯二甲酸二甲氧基乙酯 (BMEP/DMEP) Bis(2-methoxyethyl)phthalate(BMEP/DMEP) ⁿ	117-82-8	mg/kg	30	ND	—



序号 No.	检测项目 Test Item(s)	CAS 号 CAS No.	单位 Unit	方法 检出限 MDL	结果 Result(s)	限值 Limit
18	邻苯二甲酸二（C6-8 支链） 烷基酯，富 C7 链 1,2- benzenedicarboxylic acid, di- C6-8-branched alkylester, C7 rich(DIHP) ⁿ	71888-89-6	mg/kg	100	ND	—
19	邻苯二甲酸二（C7-11 支链和 直链）烷基酯 1,2- Benzenedicarboxylic acid, di- C7-11-branched and linear alkyl esters(DHNUP) ⁿ	68515-42-4	mg/kg	100	ND	—
20	邻苯二甲酸二异戊酯 Di- isopentyl phthalate(DIPP) ⁿ	605-50-5	mg/kg	100	ND	—
21	邻苯二甲酸正戊基异戊基酯 (NPIPP)/ N-pentyl-isopentyl phthalate(NPIPP)/Isopentyl Pentyl Phthalate(IPnPP) ⁿ	776297-69-9	mg/kg	100	ND	—
22	邻苯二甲酸二苯酯 Diphenyl phthalate(DPHP) ⁿ	84-62-8	mg/kg	30	ND	—
23	邻苯二甲酸二苯甲酯 Dibenzyl phthalate(DBZP) ⁿ	523-31-9	mg/kg	30	ND	—
24	邻苯二甲酸二(2-丙基庚基)酯 Bis(2-propylheptyl) phthalate(DPHP) ⁿ	53306-54-0	mg/kg	100	ND	—
25	邻苯二甲酸二异己酯，直链及 支链(DHXP/DIHP) 1,2- benzenedicarboxylic acid, dihexyl ester branched and linear(DHXP/DIHP) ⁿ	68515-50-4	mg/kg	100	ND	—
26	邻苯二甲酸二异己酯，直链及 支链 Diisohexyl phthalate(DIHP) ⁿ	71850-09-4	mg/kg	100	ND	—

序号 No.	检测项目 Test Item(s)	CAS 号 CAS No.	单位 Unit	方法 检出限 MDL	结果 Result(s)	限值 Limit
27	邻苯二甲酸二(C6-C10)烷基酯: (癸基, 己基, 辛基)酯与 1,2-邻苯二甲酸的复合物且邻苯二甲酸二己酯含量 $\geq 0.3\%$ 1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate(EC No. 201-559-5) ⁿ	68515-51-5 68648-93-1	mg/kg	100	ND	—
28	支链与直链的邻苯二甲酸二戊酯 1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear(NPIPP) ⁿ	84777-06-0	mg/kg	100	ND	—
29	邻苯二甲酸二-4-甲基-2-戊基酯 Bis(4-methyl-2-pentyl)phthalate(BMPP) ⁿ	146-50-9	mg/kg	30	ND	—
30	邻苯二甲酸双-2-乙氧基乙酯 (BEEP/DEEP) Bis(2-ethoxyethyl) phthalate(BEEP/DEEP) ⁿ	605-54-9	mg/kg	30	ND	—
31	邻苯二甲酸二丁氧基乙基酯 Bis(2-n-butoxyethyl)phthalate(BBEP) ⁿ	117-83-9	mg/kg	30	ND	—
32	酞酸丁基辛酯 Butyl octyl phthalate(BOP) ⁿ	84-78-6	mg/kg	30	ND	—
33	邻苯二甲酸乙基-2-乙基己酯 Hexyl 2-ethylhexyl phthalate(HEHP) ⁿ	75673-16-4	mg/kg	100	ND	—
34	邻苯二甲酸二烯丙酯 Diallyl phthalate(DAP) ⁿ	131-17-9	mg/kg	30	ND	—
35	邻苯二甲酸单丁酯 Monobutyl phthalate(MBP) ⁿ	131-70-4	mg/kg	30	ND	—

序号 No.	检测项目 Test Item(s)	CAS 号 CAS No.	单位 Unit	方法 检出限 MDL	结果 Result(s)	限值 Limit
36	邻苯二甲酸正辛正癸酯 (ODP/nDnOP) N-octyl-n-decyl phthalate(ODP/nDnOP) ⁿ	119-07-3	mg/kg	30	ND	—
37	邻苯二甲酸酯双(十一烷基) 酯 Diundecyl phthalate(DUDP) ⁿ	3648-20-2	mg/kg	30	ND	—
38	邻苯二甲酸二癸酯 Di-n-Decyl phthalate(DnDP) ⁿ	84-77-5	mg/kg	30	ND	—
39	邻苯二甲酸二异十一烷基酯 Diundecyl phthalate, branched and linear(DIUP) ⁿ	85507-79-5	mg/kg	100	ND	—
40	邻苯二甲酸丁基环己基酯 Butyl cyclohexyl phthalate(BCHP) ⁿ	84-64-0	mg/kg	30	ND	—
41	邻苯二甲酸二(十三烷基)酯 Ditridecyl phthalate(DTDP) ⁿ	119-06-2	mg/kg	30	ND	—
42	邻苯二甲酸丁基正癸酯 Butyl- n-decyl phthalate(BDP) ⁿ	89-19-0	mg/kg	30	ND	—
43	1,2-苯二酸-二支链烷基酯 (C11-14, C13 富集) 1,2- Benzenedicarboxylic acid, di- C11-14-branched alkyl esters, C13-rich(DITDP) ⁿ	68515-47-9 27253-26-5	mg/kg	100	ND	—
44	以上总和 The Sum of above	—	mg/kg	—	ND	100
45	对苯二甲酸二辛酯 Dioctyl terephthalate(DOTP) ⁿ	6422-86-2	mg/kg	30	ND	—
46	己二酸二-2-乙基己基酯 Di-(2- ethylhexyl) adipate(DEHA) ⁿ	103-23-1	mg/kg	30	ND	—
47	己二酸二异壬酯 Di isononyl adipate(DINA) ⁿ	33703-08-1	mg/kg	100	ND	—
48	对苯二甲酸二甲酯 Dimethyl terephthalate(DMT) ⁿ	120-61-6	mg/kg	30	ND	—
49	双(2-羟基乙基)对苯二甲酸酯 Bis(hydroxyethyl) terephthalate(BHET) ⁿ	959-26-2	mg/kg	30	ND	—



序号 No.	检测项目 Test Item(s)	CAS 号 CAS No.	单位 Unit	方法 检出限 MDL	结果 Result(s)	限值 Limit
50	环己烷-1,2-二羧酸二异壬酯 1,2-Cyclohexanedicarboxylic acid, 1,2-diisononyl ester(DINCH) ⁿ	166412-78-8	mg/kg	100	ND	—
51	偏苯三酸三辛酯 Trioctyl trimellitate(TOTM) ⁿ	3319-31-1	mg/kg	30	ND	—
52	苯甲酸苄酯 Benzyl benzoate(BB) ⁿ	120-51-4	mg/kg	30	ND	—

全氟和多氟烷基化合物(PFAS)含量的总氟筛选测试/ Total Fluorine Screening for Perfluoroalkyl and polyfluoroalkyl substances (PFAS) content

检测方法/仪器/ Test Method/Equipment: EN 14582:2016; IC

检测项目 Test Item(s)	单位 Unit	方法 检出限 MDL	结果 Result(s)	限值 Limit
全氟和多氟烷基化合物(以氟计) Perfluoroalkyl and polyfluoroalkyl substances (PFAS) (as Fluorine) ⁿ	mg/kg	5	ND	100

备注/ Note:

对于检测铅, 镉, 汞, 样品已完全消解。/ The sample(s) had been dissolved totally tested for Lead,Cadmium,Mercury.

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

ND=未检出/ ND=Not Detected

MDL=Method Detection Limit

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

根据客户要求, 只检测指定的样品 (部位)。/ As specified by client, only test the designated sample.

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

TPCH 将邻苯二甲酸酯定义为一类化学物质。但官方并没有给出邻苯二甲酸酯的清单,结论是根据客户同意检测的邻苯二甲酸酯得出的。/ The TPCH defines ortho-phthalates as a class of chemical. There is no official list of ortho-phthalates from TPCH.Conclusion is made based on the tested Ortho-Phthalate substances which is agree by the client.



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TPCH 将 PFAS 定义为一类化学物质，但官方并没有给出 PFAS 的清单，结论是根据所检测的总氟或总有机氟含量得出的。/ The TPCH defines Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) as a class of chemical. There is no official list of PFAS from TPCH. Conclusion is made based on the total Fluorine test or total Organic Fluorine test.

样品描述/ Sample Description:

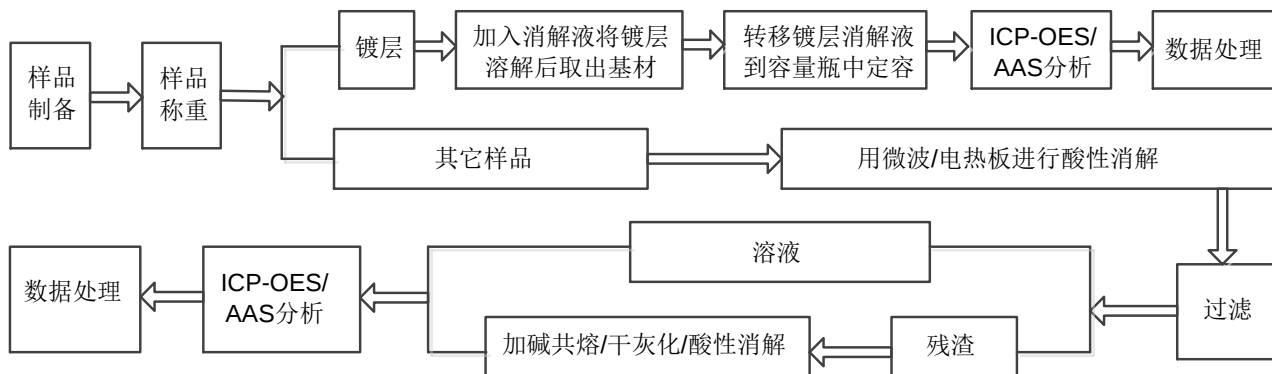
序号 No.	HCT 样品 ID HCT Sample ID	检测点描述 Test Part Description			备注 Note
2	WTF24H06141702C~1 711C.2	2	黑/金/绿印橙色纤维	Black/golden/green printed orange fiber	•

备注/ Note:

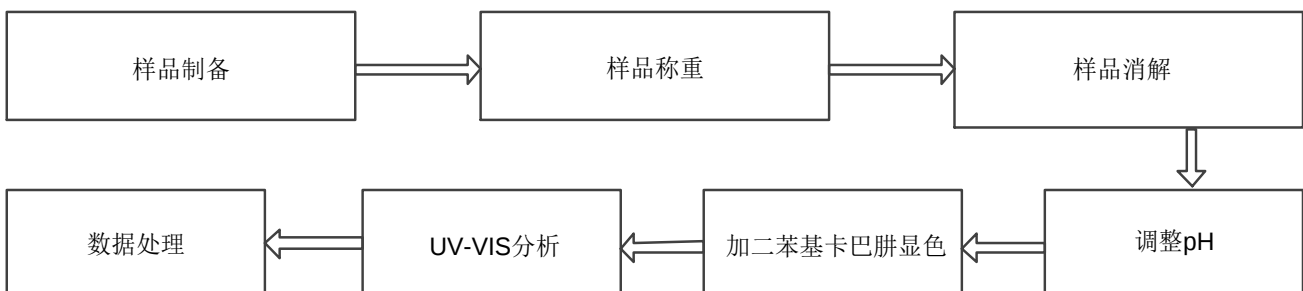
●=实际检测样品/●=Actual tested sample

检测流程图/ Test Flow Chart:

铅(Pb)、镉(Cd)、汞(Hg)、铬(Cr)



六价铬(Cr(VI))



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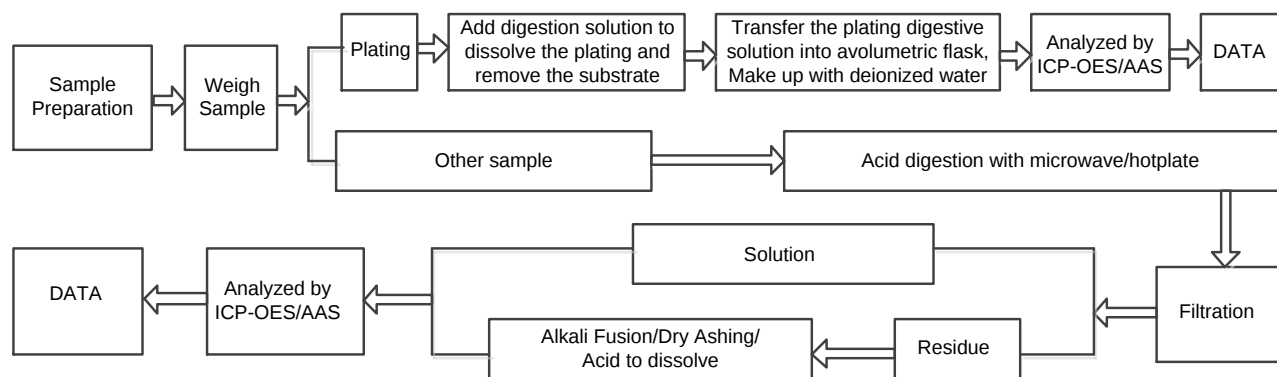
邻苯二甲酸酯及其它增塑剂



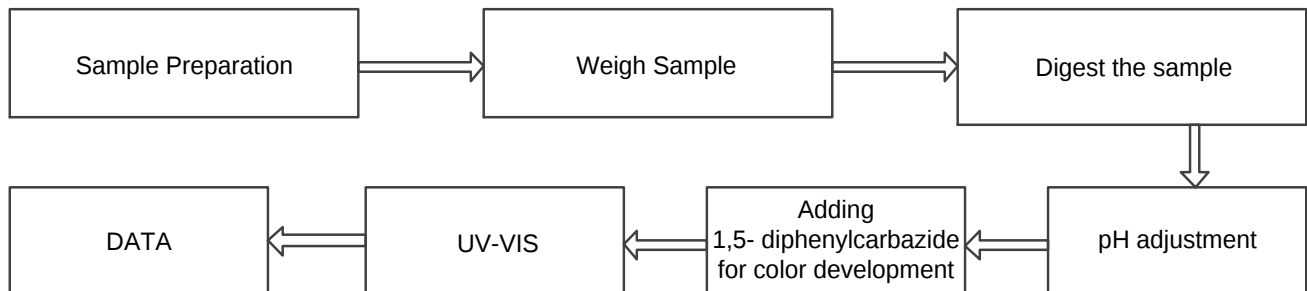
全氟和多氟烷基化合物(PFAS)



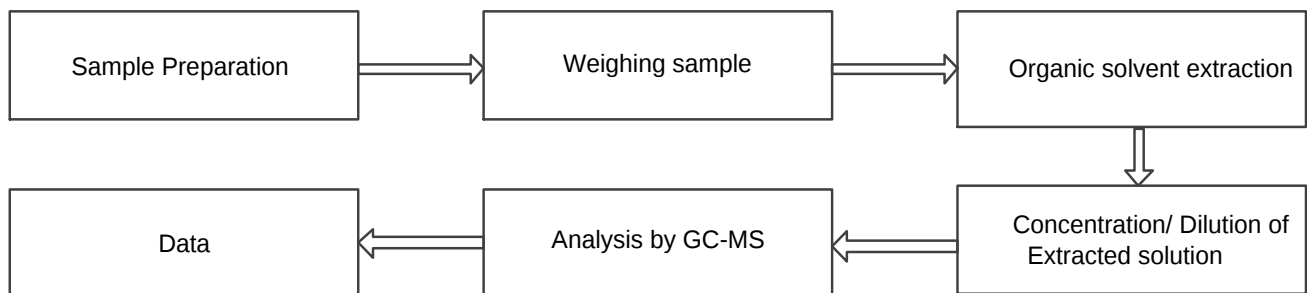
Lead(Pb), Cadmium(Cd), Mercury(Hg), Chromium(Cr)



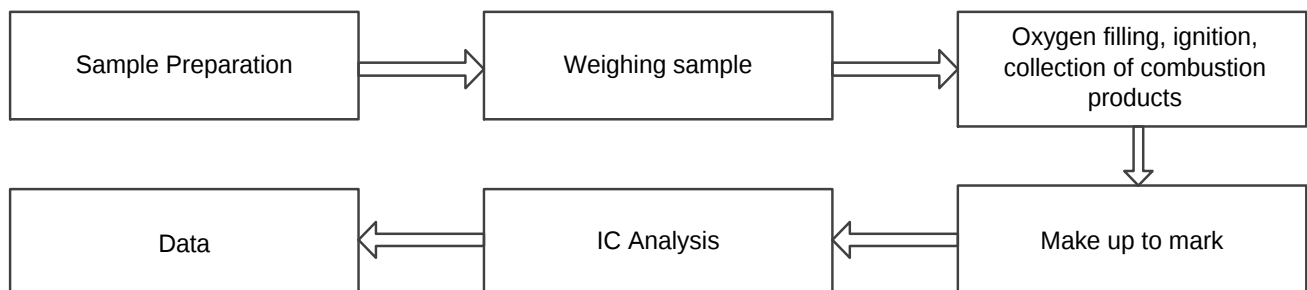
Hexavalent Chromium(Cr(VI))



Phthalates and other Plasticizer



Perfluoroalkyl and polyfluoroalkyl substances (PFAS)



样品附图/ The photo of the sample



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。



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- (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 of Report =====

