



中国认可
国际互认
检测
TESTING
CNAS L4136



WTH24H12307734X1C



检测报告 TEST REPORT

报告编号/ Report No..... : WTH24H12307734X1C

委托方/ Applicant : 东莞市美昕龙五金塑胶制品有限公司 / 深圳市美德龙五金塑胶制品有限公司 / Dongguan MeiXinLong Hardware Products Co.,Ltd / Shenzhen Meldlon Hardware Products Co.,Ltd

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样品名称/ Sample Name : 参见报告下页/ Refer to next page (s)

样品型号/ Sample Model..... : 参见报告下页/ Refer to next page (s)

样品材质/ Sample Material : 参见报告下页/ Refer to next page (s)

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 : 2024-12-26

检测周期/ Testing period : 2024-12-26 ~ 2024-12-30

报告日期/ Date of Issue..... : 2025-01-03

检测结果/ Test Result..... : 参见报告下页/ Refer to next page (s)

报告制作/ Prepared By:

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Signed for and on behalf of
Waltek Testing Group HCT (Shenzhen) Co.,
Ltd.

黄胜明/ Michael Huang

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HCT 样品 ID HCT Sample ID	样品名称 Sample Name	样品型号 Sample Model	样品材质 Sample Material
WTH24H12307734C.1	胶壳 1 Plastic shell 1	JYF 系列印制电路固定连接器 JYF series printed circuit fixed connector	PBT 灰色 PBT gray
WTH24H12307734C.2	胶壳 2 Plastic shell 2	JYF 系列印制电路固定连接器 JYF series printed circuit fixed connector	PA9T 黑色 PA9T black
WTH24H12307734C.3	电镀端子 1 Electroplated terminals 1	JYF 系列印制电路固定连接器 JYF series printed circuit fixed connector	C18400
WTH24H12307734C.4	电镀端子 2 Electroplated terminals 2	JYF 系列印制电路固定连接器 JYF series printed circuit fixed connector	C5191
WTH24H12307734C.5	电镀端子 3 Electroplated terminals 3	JYF 系列印制电路固定连接器 JYF series printed circuit fixed connector	C1100
WTH24H12307734C.6	加强片 Strengthen sheet	JYF 系列印制电路固定连接器 JYF series printed circuit fixed connector	SUS304

检测要求 / Test Requested	检测结论 / Test Conclusion
参照欧盟 RoHS 指令 2011/65/EU 及其修订指令 EU 2015/863, 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。 / 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.	合格 / PASS

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检测结果/ Test Result(s):

欧盟 RoHS-铅、镉、汞、六价铬、多溴联苯、多溴二苯醚、DBP、BBP、DEHP、DIBP 的含量/ EU RoHS-Pb, Cd, Hg, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP 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, IEC 62321-12:2023; ICP-OES, UV-VIS, GC-MS

检测项目 Test Item(s)	单位 Unit	方法检出限 MDL	结果 Result(s)		限值 Limit
			1	2	
铅 Lead(Pb)	mg/kg	2	ND	ND	1000
镉 Cadmium(Cd)	mg/kg	2	ND	ND	100
汞 Mercury(Hg)	mg/kg	2	ND	ND	1000
六价铬 Hexavalent Chromium(Cr(VI))	mg/kg	8	ND	ND	1000
一溴联苯 Mono-bromobiphenyl	mg/kg	25	ND	ND	—
二溴联苯 Di-bromobiphenyl	mg/kg	25	ND	ND	—
三溴联苯 Tri-bromobiphenyl	mg/kg	25	ND	ND	—
四溴联苯 Tetra-bromobiphenyl	mg/kg	25	ND	ND	—
五溴联苯 Penta-bromobiphenyl	mg/kg	25	ND	ND	—
六溴联苯 Hexa-bromobiphenyl	mg/kg	25	ND	ND	—
七溴联苯 Hepta-bromobiphenyl	mg/kg	25	ND	ND	—
八溴联苯 Octa-bromobiphenyl	mg/kg	25	ND	ND	—
九溴联苯 Nona-bromobiphenyl	mg/kg	25	ND	ND	—
十溴联苯 Deca-bromobiphenyl	mg/kg	25	ND	ND	—
多溴联苯 Polybrominated Biphenyls(PBBs)	mg/kg	—	ND	ND	1000
一溴二苯醚 Mono-bromodiphenyl ether	mg/kg	25	ND	ND	—
二溴二苯醚 Di-bromodiphenyl ether	mg/kg	25	ND	ND	—
三溴二苯醚 Tri-bromodiphenyl ether	mg/kg	25	ND	ND	—
四溴二苯醚 Tetra-bromodiphenyl ether	mg/kg	25	ND	ND	—
五溴二苯醚 Penta-bromodiphenyl ether	mg/kg	25	ND	ND	—
六溴二苯醚 Hexa-bromodiphenyl ether	mg/kg	25	ND	ND	—
七溴二苯醚 Hepta-bromodiphenyl ether	mg/kg	25	ND	ND	—
八溴二苯醚 Octa-bromodiphenyl ether	mg/kg	25	ND	ND	—
九溴二苯醚 Nona-bromodiphenyl ether	mg/kg	25	ND	ND	—
十溴二苯醚 Deca-bromodiphenyl ether	mg/kg	25	ND	ND	—
多溴二苯醚 Polybrominated Diphenyl Ethers(PBDEs)	mg/kg	—	ND	ND	1000
邻苯二甲酸二正丁酯 Dibutyl phthalate(DBP)	mg/kg	25	ND	ND	1000
邻苯二甲酸丁苄酯 Butylbenzyl phthalate(BBP)	mg/kg	25	ND	ND	1000

检测项目 Test Item(s)	单位 Unit	方法检出限 MDL	结果 Result(s)		限值 Limit
			1	2	
邻苯二甲酸二(2-乙基己基)酯 Di-(2-ethylhexyl) Phthalate(DEHP)	mg/kg	25	ND	ND	1000
邻苯二甲酸二异丁酯 Di-iso-butyl phthalate(DIBP)	mg/kg	25	ND	ND	1000

欧盟 RoHS-铅、镉、汞、六价铬的含量 / EU RoHS-Pb, Cd, Hg, Cr(VI) content

检测方法/仪器 / Test Method/Equipment: IEC 62321-5:2013, IEC 62321-4:2013+AMD1:2017, IEC 62321-7-1:2015; AAS, 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
			3	4	
铅 Lead(Pb)	mg/kg	2	45	57	1000
镉 Cadmium(Cd)	mg/kg	2	ND	ND	100
汞 Mercury(Hg)	mg/kg	2	ND	ND	1000
六价铬 Hexavalent Chromium(Cr(VI))	µg/cm ²	0.1	ND	ND	◆

检测项目 Test Item(s)	单位 Unit	方法检出限 MDL	结果 Result(s)		限值 Limit
			5	6	
铅 Lead(Pb)	mg/kg	2	10	ND	1000
镉 Cadmium(Cd)	mg/kg	2	ND	ND	100
汞 Mercury(Hg)	mg/kg	2	ND	ND	1000
六价铬 Hexavalent Chromium(Cr(VI))	µg/cm ²	0.1	ND	ND	◆

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.

µg/cm² = 微克每平方厘米 / µg/cm² = microgram per square centimeter

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.

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.

◆ = 按照检测方法 IEC 62321-7-1:2015: ①当六价铬的浓度高于 0.13 µg/cm² 时, 样品为阳性, 即含有六价铬; ②当六价铬的浓度为 ND(低于 0.10 µg/cm²) 时, 样品为阴性, 即未检测到六价铬; ③当六价铬的浓度介于 0.10 µg/cm²

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g/cm² 与 0.13 μg/cm² 之间时，无法直接判定是否检测到六价铬；因不同个体的样品表面差异可能会影响测定结果；由于未获知样品的存储条件和生产日期，样品的六价铬检测结果仅能代表检测时样品含六价铬的状态。 / ◆ = According to the test method IEC 62321-7-1:2015:①The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13μg/cm². The sample coating is considered to contain Cr(VI); ②The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10μg/cm²). The coating is considered a non-Cr(VI) based coating; ③The result between 0.10μg/cm² and 0.13μg/cm² is considered to be inconclusive -unavoidable coating variations may influence the determination; The surface difference of samples from different individuals may affect the determination results of Cr(VI); Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

该报告替代报告编号为 WTH24H12307734C 的报告。 / This report replaces the report which report No. is WTH24H12307734C.

样品描述 / Sample Description:

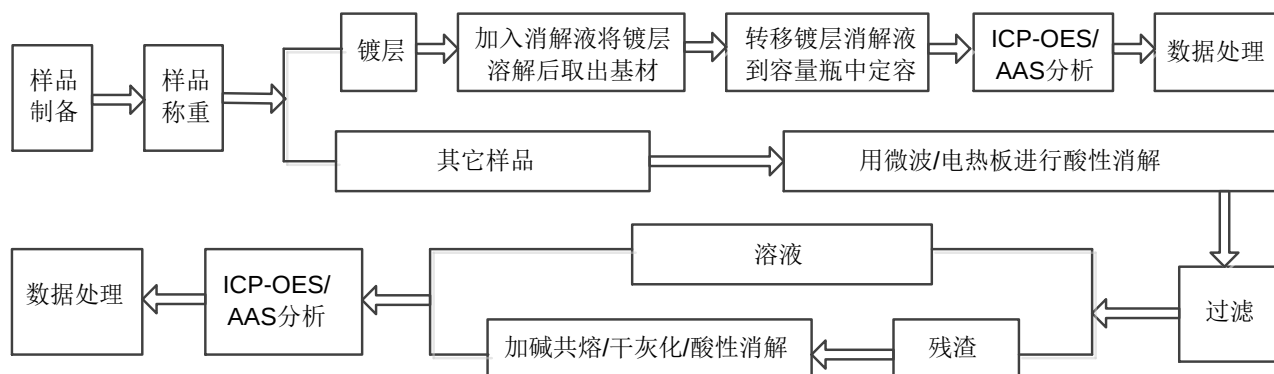
序号 No.	HCT 样品 ID HCT Sample ID	检测点描述 Test Part Description			备注 Note
1	WTH24H12307734C.1	1	灰色塑胶	Gray plastic	●
2	WTH24H12307734C.2	2	黑色塑胶	Black plastic	●
3	WTH24H12307734C.3	3	银色/铜色金属	Silver/copper metal	●
4	WTH24H12307734C.4	4	银色/铜色金属	Silver/copper metal	●
5	WTH24H12307734C.5	5	银色/铜色金属	Silver/copper metal	●
6	WTH24H12307734C.6	6	银色金属	Silver metal	●

备注 / Note:

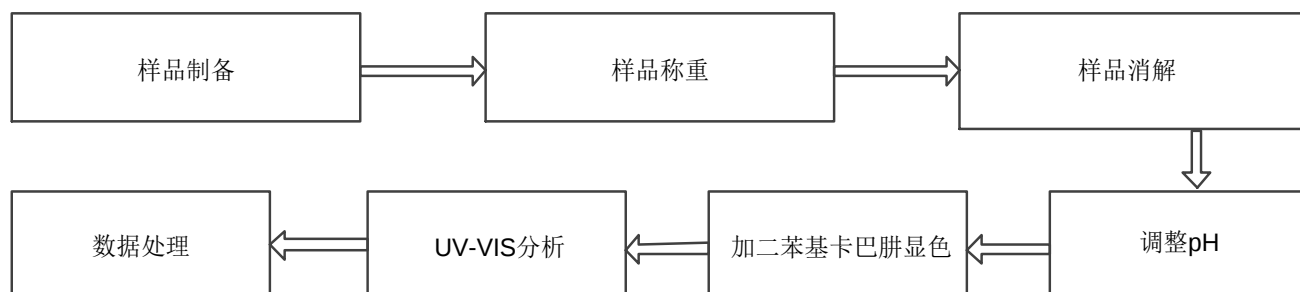
●=实际检测样品 / ●=Actual tested sample

检测流程图 / Test Flow Chart:

铅(Pb)、镉(Cd)、汞(Hg)、铬(Cr)



六价铬(Cr(VI))

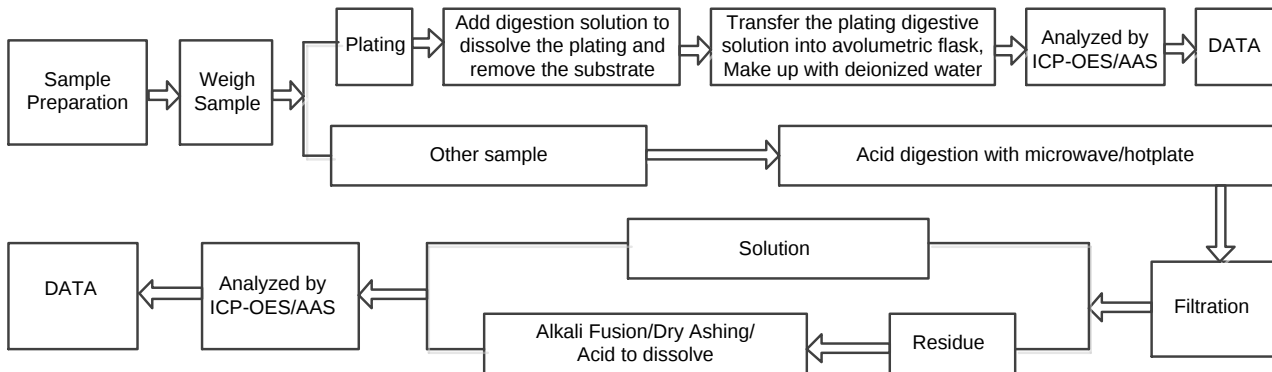


多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二正丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)、邻苯二甲酸二(2-乙基己基)酯(DEHP)、邻苯二甲酸二异丁酯(DIBP)

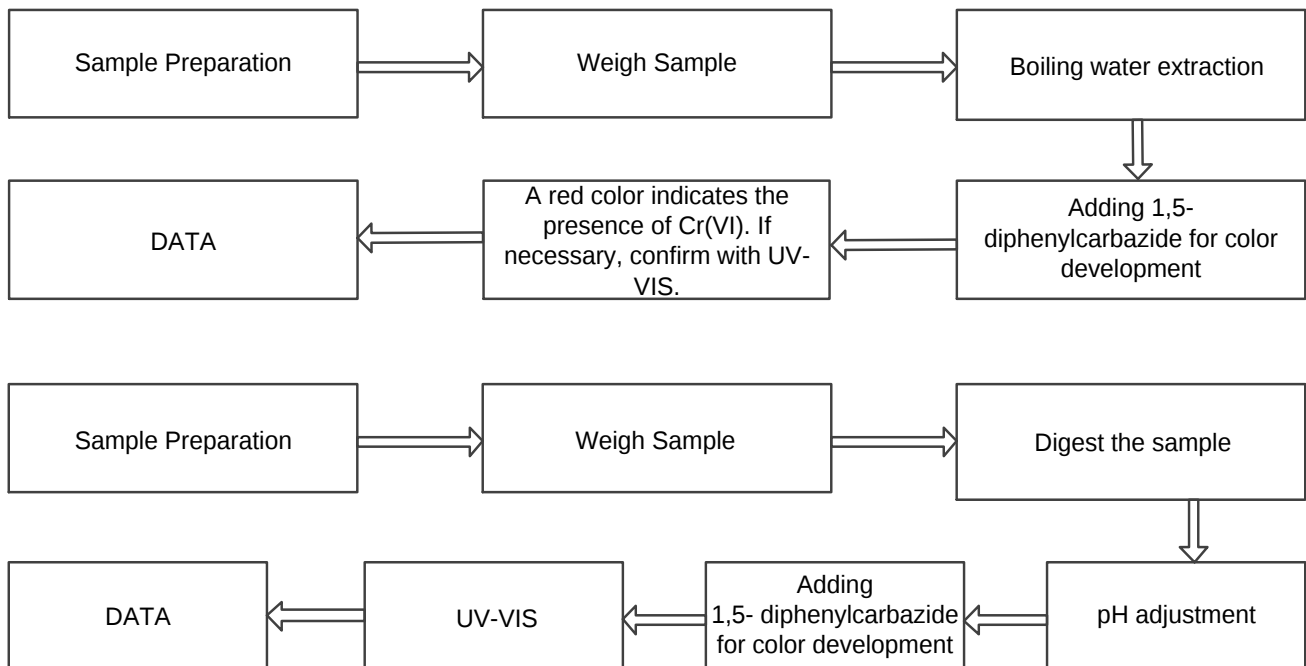


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Lead(Pb), Cadmium(Cd), Mercury(Hg), Chromium(Cr)

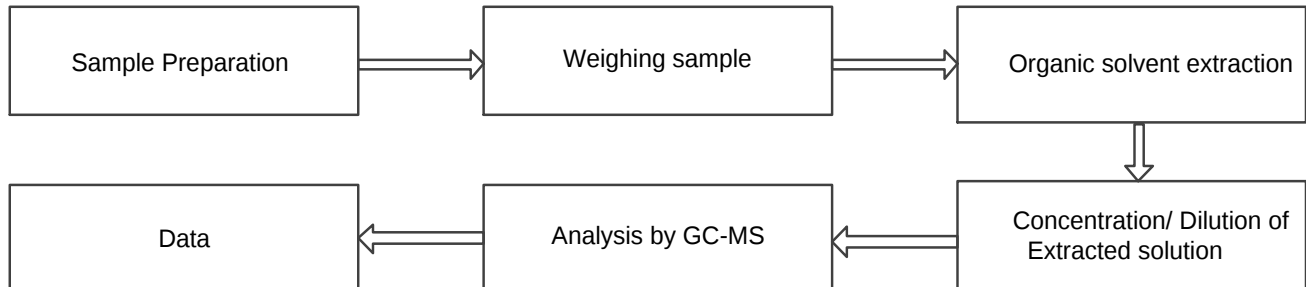


Hexavalent Chromium(Cr(VI))

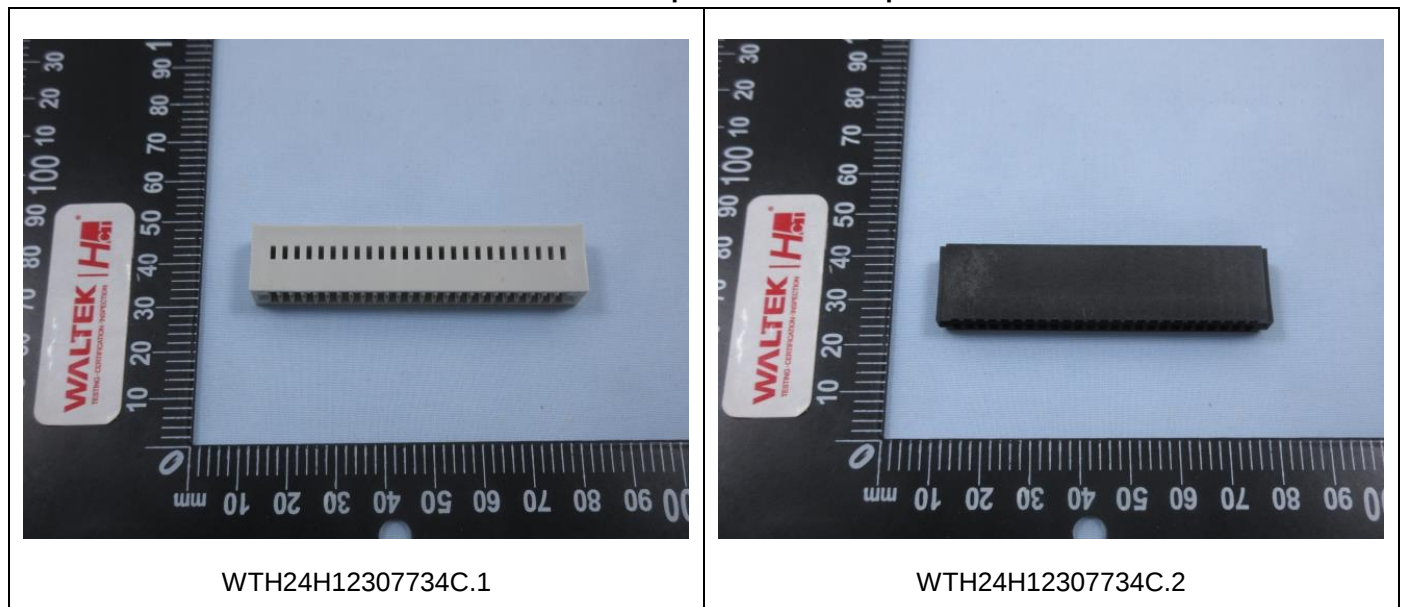


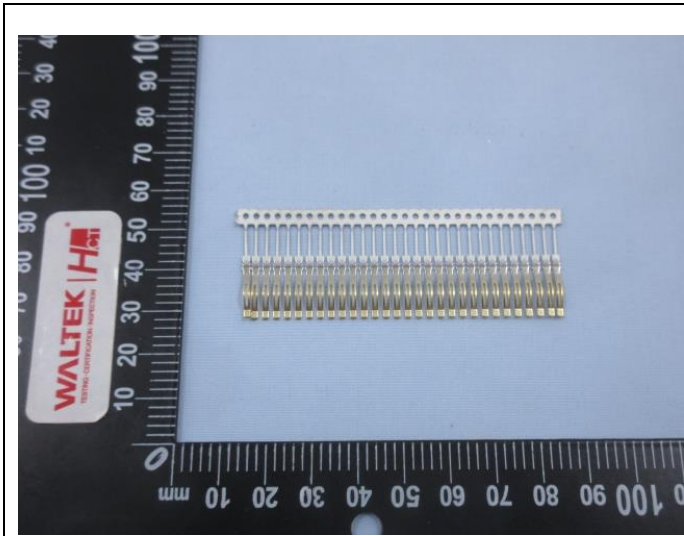
报告编号/ Report No.: WTH24H12307734X1C

Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs), Dibutyl phthalate(DBP), Butylbenzyl phthalate(BBP), Di-(2-ethylhexyl) Phthalate(DEHP), Di-iso-butyl phthalate(DIBP)

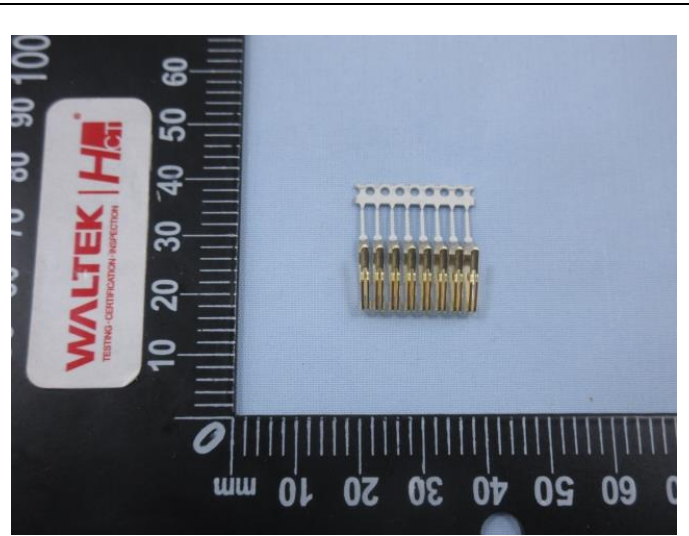


样品附图/ The photo of the sample

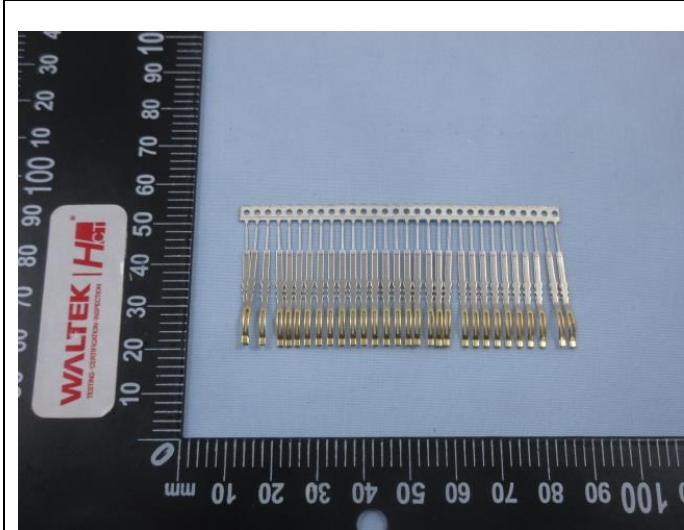




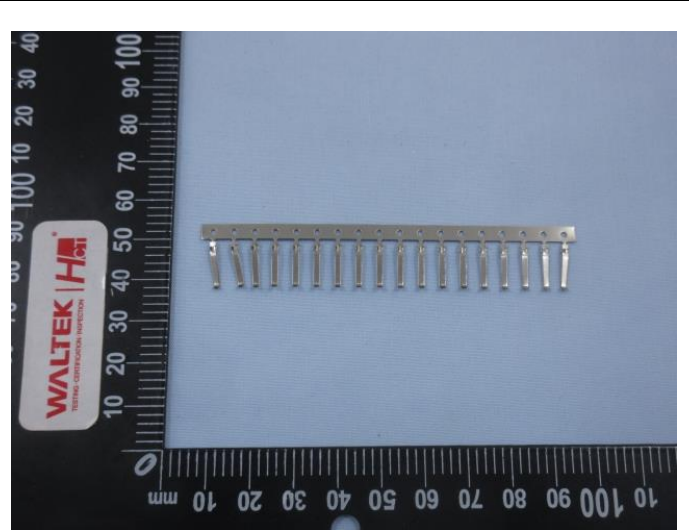
WTH24H12307734C.3



WTH24H12307734C.4



WTH24H12307734C.5



WTH24H12307734C.6

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)的二元判定规则：

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 of Report =====