



检测报告

TEST REPORT

报告编号/ Report No..... : WTH24H12310623C

委托方/ Applicant : 梅州市超捷电子有限公司
Meizhou Chaojie Electronics Co., Ltd

地址/ Address : 梅州市丰顺县汤坑镇新坑边 513 号厂房
Plant 513, xinkengbian, tangkeng Town, Fengshun County,
Meizhou City

样品名称/ Sample Name : 单面 PCB

检测要求/ Test Requested : 参照美国有毒物质控制法(TSCA), 检测样品中的五项持久性、
生物累积性和毒性(PBT)化学物质的含量。/ Determine the five
Persistent, Bioaccumulative and Toxic (PBT) chemicals
content in the sample with reference to Toxic Substances
Control Act (TSCA).

检测结论/ Test Conclusion : 合格/ PASS

样品接收日期/ Date of Receipt sample : 2024-12-30

检测周期/ Testing period : 2024-12-30 ~ 2025-01-02

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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授权签字人

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

黄胜明/ Michael Huang

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深圳市沃特虹彩检测技术有限公司 Waltek Testing Group HCT (Shenzhen) Co., Ltd.

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检测结果/ Test Result(s):

检测方法/仪器/ Test Method/Equipment: HCT/SZ-SOP-YJ-PI067; GC-MS

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+2+3) [#]	
十溴二苯醚 ^{a1} Decabromodiphenyl ether(DecaBDE) ^{a1}	1163-19-5	mg/kg	5	ND	禁用 Prohibited
异丙基化磷酸三苯酯(PIP(3:1)) ^{a2} Phenol, isopropylated phosphate(PIP (3:1)) ^{a2}	68937-41-7	mg/kg	5	ND	禁用 Prohibited
2,4,6-三(叔丁基)苯酚(2,4,6-TTBP) ^{a3} 2,4,6-Tris(tert-butyl)phenol(2,4,6-TTBP) ^{a3}	732-26-3	mg/kg	50	ND	3000
六氯丁二烯 Hexachlorobutadiene (HCBd)	87-68-3	mg/kg	5	ND	禁用 Prohibited
五氯苯硫酚 Pentachlorothiophenol (PCTP)	133-49-3	mg/kg	50	ND	10000

备注/ Note:

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

^{a1} =若送测样品来自于含有十溴二苯醚的产品或物品的回收塑料，只要在回收或生产过程中没有添加新的十溴二苯醚，或产品和物品中无意添加的十溴二苯醚浓度低于 0.1%（按重量计），则可豁免。/ ^{a1} =Exemption is available if the samples submitted for testing are from Plastic for recycling from products or articles containing DecaBDE, as long as no new DecaBDE is added during recycling or production, or unintentional addition of DecaBDE to products and articles is below 0.1% by weight.

^{a2} =提交的样品有下列情形之一的，不在法规的管控范围内：①用于航空或军事用途的液压油；②润滑剂和润滑脂；③汽车和航空航天车辆的新零件和替换零件；④在封闭系统中作为生产氰基丙烯酸酯胶粘剂的中间体；⑤机车和船用专用发动机空气滤清器；⑥来自于含有 PIP(3:1)的产品或物品的回收塑料，且未添加新的 PIP (3:1)，或产品和物品中无意添加的 PIP (3:1)浓度低于 0.1%（按重量计）。⑦ 用于电路板和线束的 PIP（3:1）和含 PIP（3:1）的产品以及含 PIP（3:1）的电路板和线束的加工和商业分销。⑧为修理或维护目的而加工、分发含有 PIP（3:1）且未新添加 PIP（3:1）的物品。/ ^{a2} =The submitted sample is exempted from the regulated scope if it is anyone of the following: ①Hydraulic fluids for aviation or military industry; ②Lubricants and grease; ③New and replacement parts for motor and aerospace vehicles; ④Intermediate in a closed system to produce cyanoacrylate adhesive; ⑤Specialized engine air filters for locomotive and marine applications; ⑥Finished products or articles made of plastic recycled from products or articles containing PIP (3:1), as long as no new PIP (3:1) is added, or unintentional addition of PIP (3:1) to products and articles is below 0.1% by weight. ⑦Processing and distribution in commerce of PIP (3:1) and products containing PIP (3:1) for circuit boards and wire harnesses, and circuit boards

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and wire harnesses containing PIP (3:1). ⑧Processing and distribution in commerce of articles containing PIP (3:1) for repair or maintenance purposes without the addition of new PIP (3:1).

^{a3} =提交的样品如果不是油或润滑剂，则超出法规的范围。/ ^{a3}=The submitted sample is out of the regulated scope if it is not oil or lubricant.

#= 根据客户要求等进行等比混合检测，检测结果基于最小样品质量计算。本报告中显示的结果可能与任何均质材料的含量不同。/ #= As specified by client, the samples were equal mass proportional mixed to test, and the test results are calculated based on the minimum sample quality. The result(s) shown on this report may be different from the content of any homogeneous material.

样品描述/ Sample Description:

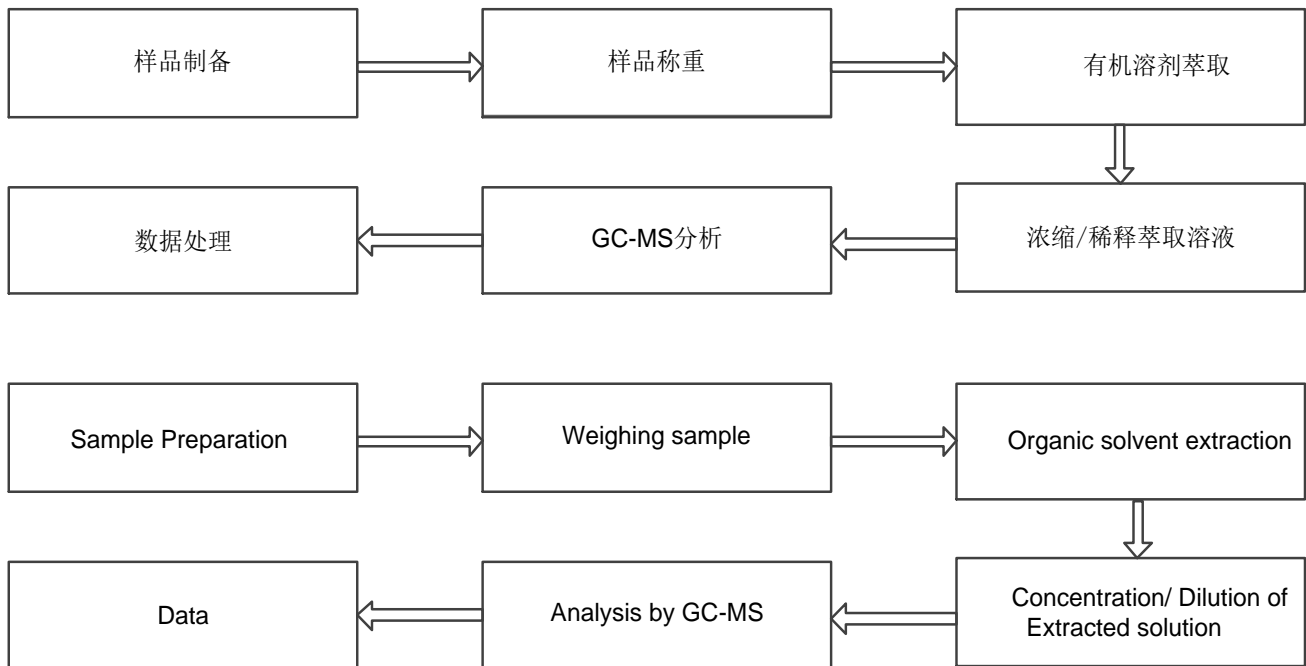
序号 No.	HCT 样品 ID HCT Sample ID	检测点描述 Test Part Description			备注 Note
1	WTH24H12310622C~0624C.1	1	米色覆铜层压板连绿色，白色，黑色涂层	Cream copper clad laminate with green, White, Black coating	•
2	WTH24H12310622C~0624C.2	2	浅棕色覆铜层压板连绿色，白色，红色涂层	Light brown copper clad laminated board with green, White, Red coating	•
3	WTH24H12310622C~0624C.3	3	米色覆铜层压板连绿色，白色，黑色，红色涂层	Cream copper clad laminated board with green, White, Black, Red coating	•

备注/ Note:

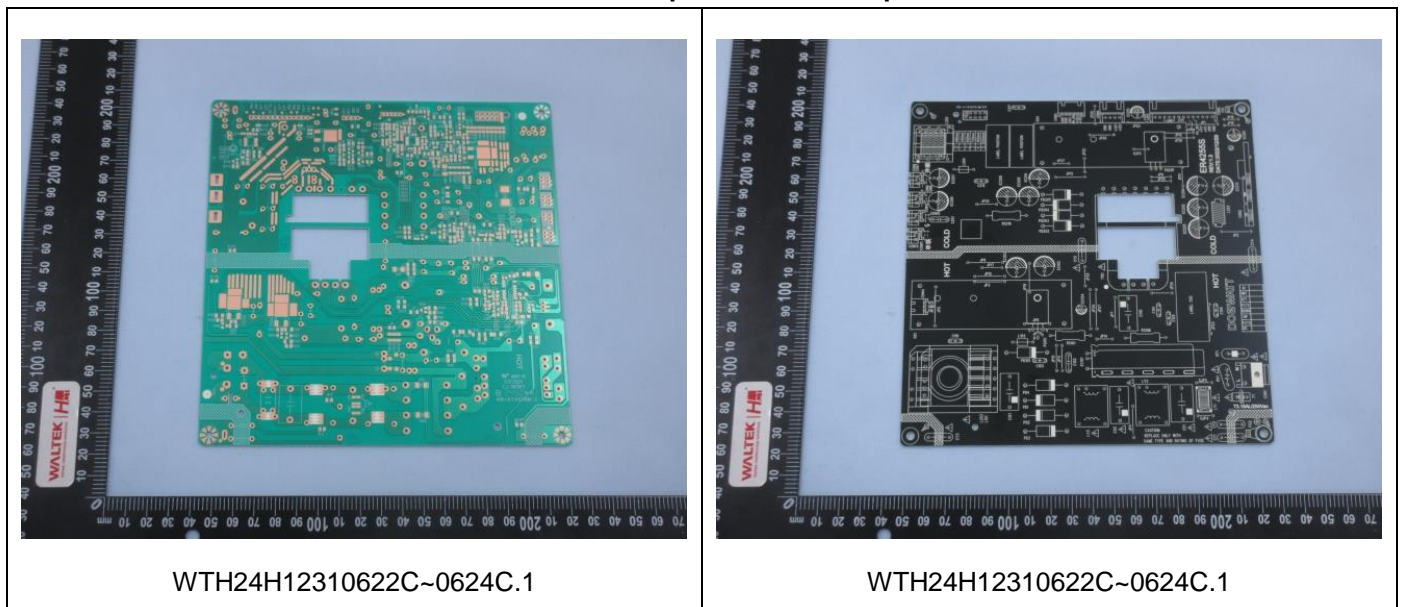
●=实际检测样品/●=Actual tested sample

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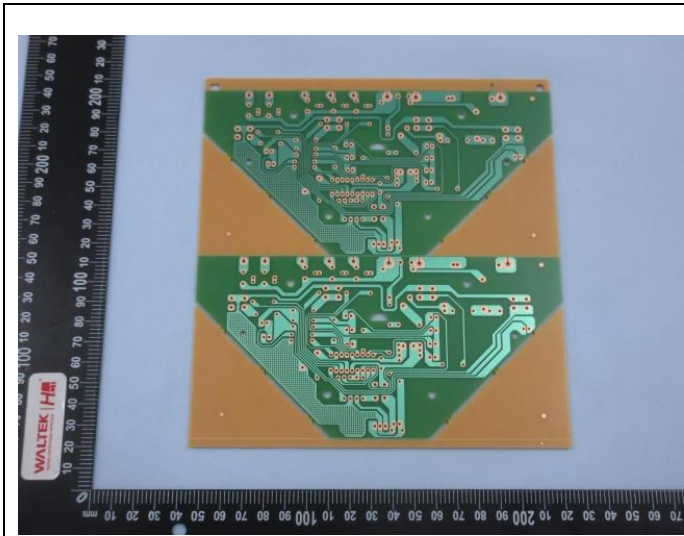
检测流程图/ Test Flow Chart:



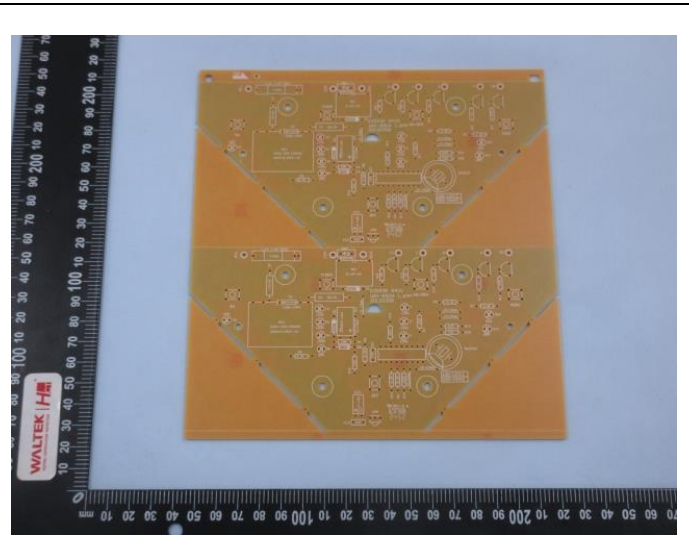
样 品 附 图/ The photo of the sample



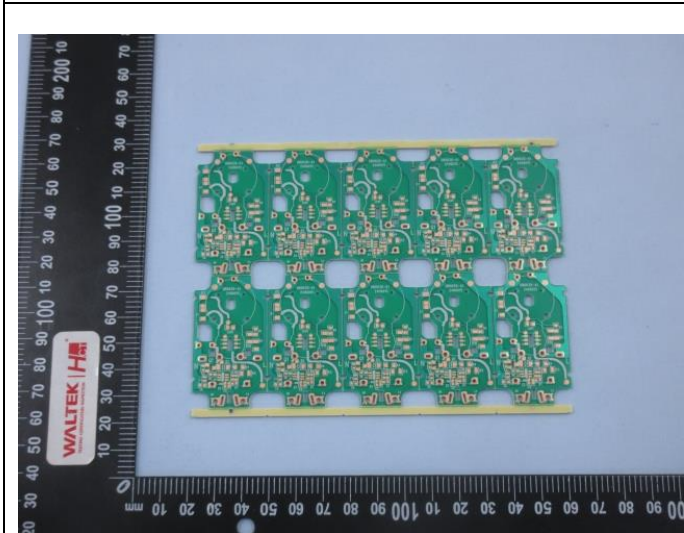
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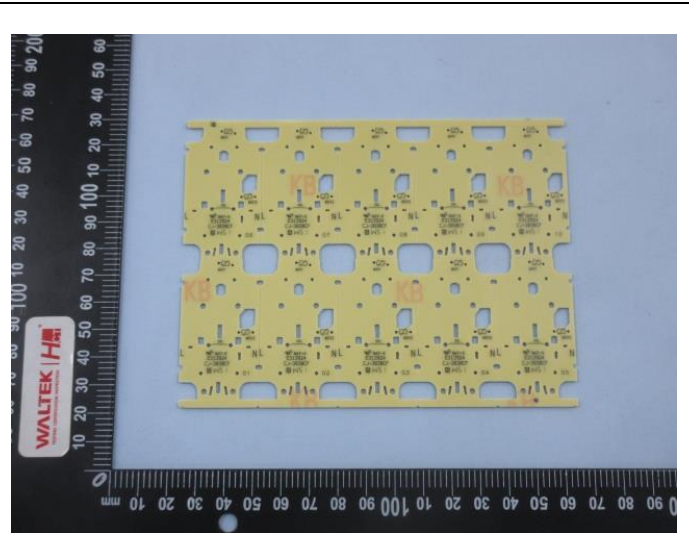
WTH24H12310622C~0624C.2



WTH24H12310622C~0624C.2



WTH24H12310622C~0624C.3



WTH24H12310622C~0624C.3

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 =====