



# 检测报告

## TEST REPORT

报告编号/ Report No. : WTF26F05149871R2X4C  
任务号/ Job No. : SHW2605291592CJ  
委托方/ Applicant : 宁波市江北振华电子有限公司  
NINGBO JIANGBEI ZHENHUA ELETRONIC CO., LTD  
地址/ Address : 宁波市江北区通惠路 899 号  
No.899 TONGHUI ROAD JIANGBEI DISTRICT NINGBO  
CHINA  
样品名称/ Sample Name : CBB62 X2/ MKP65 /MKP4 /CBB22 /CBB23 /RC 阻容  
CBB62 X2/ MKP65 /MKP4 /CBB22 /CBB23 /RC Resistance  
capacitance  
样品型号/ Sample Model : MKP65, MKP4  
检测要求/ Test Requested : 参见报告下页/ Refer to next page (s)  
检测方法/ Test Method : 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 : 2026-05-29  
检测周期/ Testing Period : 2026-05-29 ~ 2026-06-03  
报告日期/ Date of Issue : 2026-06-24  
检测结果/ Test Result : 参见报告下页/ Refer to next page (s)

报告制作/ Prepared By:

佛山市沃特测试技术服务有限公司

Waltek Testing Group (Foshan) Co., Ltd.

地址: 广东省佛山市顺德区陈村镇赤花居委会广隆工业园兴业 4 路顺联机械城二座二层 13-19 号  
Address: No.13-19, 2/F., 2nd Building, Sunlink Machinery City, Xingye 4 Road, Guanglong Industrial Park,  
Chihua Neighborhood Committee, Chencun, Shunde District, Foshan, Guangdong, China  
电话/ Tel:+86-757-23811398 传真/ Fax:+86-757-23811381 邮箱/ E-mail:info@waltek.com.cn

佛山市沃特测试技术服务有限公司

授权签字人

Signed for and on behalf of

Waltek Testing Group (Foshan) Co., Ltd.

梁志聪

梁志聪/Swing Liang

佛山市沃特测试技术服务有限公司/ Waltek Testing Group (Foshan) Co., Ltd.

<http://www.waltek.com.cn>

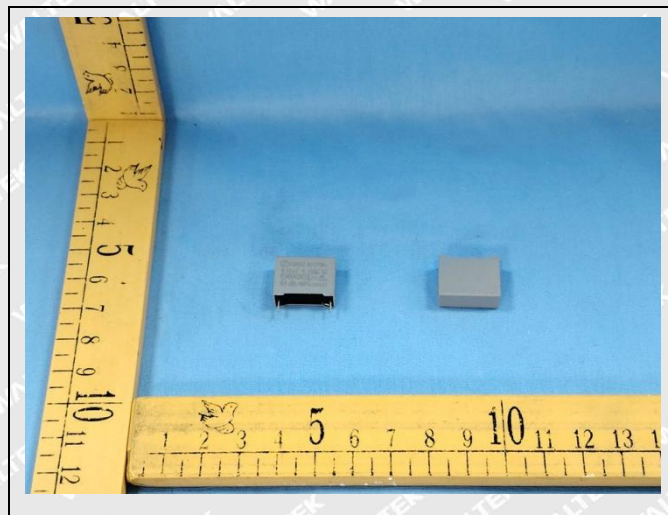


WTF26F05149871R2X4C



检测要求 Test Requested	检测结论 Test Conclusion
1. 根据欧盟法规(EU)2019/1021 及其修订指令(EU)2020/784、(EU)2020/1203、(EU)2020/1204、(EU)2021/115、(EU)2021/277、(EU)2022/2291、(EU)2023/1608、(EU)2024/2555、(EU)2024/2570、(EU)2025/718、(EU)2025/1399、(EU)2025/843、(EU)2025/1930、(EU)2025/1482, 测试送检样品中 32 种持续性有机污染物的含量。 With reference to Regulation (EU)2019/1021 and its amendment (EU)2020/784 & (EU)2020/1203 & (EU)2020/1204 & (EU)2021/115 & (EU)2021/277 & (EU)2022/2291 & (EU)2023/1608 & (EU)2024/2555 & (EU)2024/2570 & (EU)2025/718 & (EU)2025/1399 & (EU)2025/843 & (EU)2025/1930 & (EU)2025/1482, to determine the 32 kinds of Persistent Organic Pollutants (POPs) content in the submitted sample.	符合/ Pass
2. 根据客户要求, 测试送检样品中含有 9-21 个碳原子的长链全氟羧酸(C9-C21 LCPFCAs) 及其盐类和 C9-C21 LCPFCA 相关物质的含量。 As specified by client, to determine the Perfluorocarboxylic acids containing 9 to 21 carbon atoms in the long-chain(C9-C21 LCPFCAs) and their salts and C9-C21 LCPFCA-related substances content in the submitted sample.	符合/ Pass
3. 根据客户要求, 测试送检样品中中链氯化石蜡(C14-17)(MCCP)的含量。 As specified by client, to determine the Medium Chain Chlorinated Paraffins (C14-17) (MCCP) content in the submitted sample.	符合/ Pass
4. 根据客户要求, 测试送检样品中毒死蜱的含量。 As specified by client, to determine the Chlorpyrifos content in the submitted sample.	符合/ Pass

样品图片 / Sample Photo:





报告编号/ Report No.: WTF26F05149871R2X4C

任务号/Job No.: SHW2605291592CJ

**测试结果/ Test Results:**

**持续性有机污染物的含量/ Persistent Organic Pollutants (POPs) content**

检测方法/仪器/ Test Method/Equipment:

-参考实验室内部方法，使用 GC-MS,LC-MS/MS 检测 32 种持续性有机污染物含量

-With reference to In-house method, determination of 32 kinds of Persistent Organic Pollutants (POPs) by GC-MS,LC-MS/MS

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)	限值 Limit
			No.(1+2+3) <sup>#</sup>	
四溴二苯醚/ Tetrabromodiphenyl ether	mg/kg	5	ND	--
五溴二苯醚/ Pentabromodiphenyl ether	mg/kg	5	ND	--
六溴二苯醚/ Hexabromodiphenyl ether	mg/kg	5	ND	--
十溴二苯醚/ Decabromodiphenyl ether	mg/kg	5	ND	--
七溴二苯醚/ Heptabromodiphenyl ether	mg/kg	5	ND	--
多溴二苯醚(包括四溴、五溴、六溴、七溴、十溴二苯醚)的总和/ Sum of PBDEs(including Tetra-, Penta-, Hexa-, Hepta-, DecaBDE)	mg/kg	--	ND	混合物或物品中≤10 In mixtures or articles ≤10
全氟辛烷磺酸(PFOS)及其盐/ Perfluorooctane sulfonic acid (PFOS) and its salts	mg/kg	0.025	ND	≤0.025
全氟辛烷磺酸(PFOS)相关化合物/ PFOS-related compounds	mg/kg	0.025	ND	≤1
滴滴涕(DDT)/ 1,1,1-trichloro-2,2-bis(4-chlorophenyl) ethane (DDT)	mg/kg	5	ND	不得检出 Not Detected
氯丹/ Chlordane	mg/kg	5	ND	不得检出 Not Detected
六氯环己烷(包括林丹)/ Hexachlorocyclohexanes, including lindane	mg/kg	5	ND	不得检出 Not Detected
狄氏剂/ Dieldrin	mg/kg	5	ND	不得检出 Not Detected
异狄氏剂/ Endrin	mg/kg	5	ND	不得检出 Not Detected
七氯/ Heptachlor	mg/kg	5	ND	不得检出 Not Detected
十氯酮/ Chlordecone	mg/kg	5	ND	不得检出 Not Detected



检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)	限值 Limit
			No.(1+2+3) <sup>#</sup>	
艾氏剂/ Aldrin	mg/kg	5	ND	不得检出 Not Detected
五氯苯/ Pentachlorobenzene	mg/kg	5	ND	不得检出 Not Detected
多氯联苯(PCBs)/ Polychlorinated biphenyls (PCBs)	mg/kg	0.2	ND	≤50
灭蚁灵/ Mirex	mg/kg	5	ND	不得检出 Not Detected
毒杀芬/ Toxaphene	mg/kg	5	ND	不得检出 Not Detected
六溴联苯/ Hexabromobiphenyl	mg/kg	5	ND	不得检出 Not Detected
硫丹/ Endosulfan	mg/kg	5	ND	不得检出 Not Detected
六氯丁二烯/ Hexachlorobutadiene	mg/kg	5	ND	不得检出 Not Detected
多氯化萘(PCNs)/ Polychlorinated Naphthalenes (PCNs)	mg/kg	5	ND	不得检出 Not Detected
六氯苯/ Hexachlorobenzene	mg/kg	0.2	ND	≤10
短链氯化石蜡(SCCPs)/ Short Chain Chlorinated Paraffins (SCCPs)	mg/kg	100	ND	物质或配置品<10000mg/kg, 物品<1500mg/kg <10000mg/kg in substances or preparations, <1500mg/kg in article
六溴环十二烷(HBCDD)/ Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified	mg/kg	10	ND	≤75
五氯苯酚及其盐和酯类(PCP)/ Pentachlorophenol and its salts and esters (PCP)	mg/kg	5	ND	物质、混合物或物品中, ≤5mg/kg ≤5mg/kg in substances, mixtures or articles
全氟辛酸 (PFOA) 及其盐/ Perfluorooctanoic acid (PFOA) and its salts	mg/kg	0.025	ND	≤0.025



报告编号/ Report No.: WTF26F05149871R2X4C

任务号/Job No.: SHW2605291592CJ

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)	限值 Limit
			No.(1+2+3) <sup>#</sup>	
全氟辛酸 (PFOA) 相关化合物/ PFOA-related compounds	mg/kg	0.025	ND	≤1
三氯杀螨醇/ Dicofol	mg/kg	5	ND	不得检出 Not Detected
全氟己基磺酸 (PFHxS) 及其盐/ Perfluorohexane Sulfonate (PFHxS) and its salts	mg/kg	0.025	ND	≤0.025
全氟己基磺酸 (PFHxS) 相关化合物/ PFHxS-related compounds	mg/kg	0.025	ND	≤1
甲氧滴滴涕/ Methoxychlor	mg/kg	0.01	ND	≤0.01
2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 (UV-328)/ 2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol(UV-328)	mg/kg	1	ND	100 <sup>Λ1</sup> / 10 <sup>Λ2</sup> / 1 <sup>Λ3</sup>
德克隆[包括所有反式和顺式异构体及其 组合]/ Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	mg/kg	1	ND	1000 <sup>Λ4</sup> / 1 <sup>Λ5</sup>
<b>结论 / Conclusion</b>	--	--	<b>符合 Pass</b>	--



报告编号/ Report No.: WTF26F05149871R2X4C

任务号/Job No.: SHW2605291592CJ

**含有 9-21 个碳原子的长链全氟羧酸(C9-C21 LCPFCAs)及其盐类和 C9-C21 LCPFCA 相关物质/  
Perfluorocarboxylic acids containing 9 to 21 carbon atoms in the long-chain(C9-C21 LCPFCAs) and their salts and C9-C21 LCPFCA-related substances**

检测方法/仪器/ Test Method/Equipment:

-参考 US EPA 3550C:2007 & US EPA 8321B:2007, 溶剂萃取, 使用 LC-MS/MS 检测含有 9-21 个碳原子的长链全氟羧酸(C9-C21 LCPFCAs)及其盐类和 C9-C21 LCPFCA 相关物质含量

-With reference to US EPA 3550C:2007 & US EPA 8321B:2007, solvent extraction, determination of Perfluorocarboxylic acids containing 9 to 21 carbon atoms in the long-chain(C9-C21 LCPFCAs) and their salts and C9-C21 LCPFCA-related substances by LC-MS/MS

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)	限值 Limit
			No.(1+2+3) <sup>#</sup>	
含有 9-21 个碳原子的长链全氟羧酸(C9-C21 LCPFCAs)及其盐类/ Perfluorocarboxylic acids containing 9 to 21 carbon atoms in the long-chain(C9-C21 LCPFCAs) and their salts	mg/kg	0.025	ND	≤0.025
C9-C21 LCPFCA 相关物质/ C9-C21 LCPFCA-related substances	mg/kg	0.025	ND	≤0.26
<b>结论 / Conclusion</b>	--	--	<b>符合 Pass</b>	--

**中链氯化石蜡(C14-17)(MCCP)/ Medium Chain Chlorinated Paraffins (C14-17) (MCCP)**

检测方法/仪器/ Test Method/Equipment:

-参考 US EPA 3550C:2007, 使用 GC-MS 检测中链氯化石蜡(C14-17)(MCCP)含量

-With reference to US EPA 3550C:2007, determination of Medium Chain Chlorinated Paraffins (C14-17) (MCCP) by GC-MS

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)	限值 Limit
			No.(1+2+3) <sup>#</sup>	
中链氯化石蜡(C14-17)(MCCP)/ Medium Chain Chlorinated Paraffins (C14-17) (MCCP)	mg/kg	100	ND	≤1000
<b>结论 / Conclusion</b>	--	--	<b>符合 Pass</b>	--



报告编号/ Report No.: WTF26F05149871R2X4C

任务号/Job No.: SHW2605291592CJ

**毒死蜱/ Chlorpyrifos**

检测方法/仪器/ Test Method/Equipment:

-参考 US EPA 3550C:2007, 使用 GC-MS 检测毒死蜱含量

-With reference to US EPA 3550C:2007, determination of Chlorpyrifos by GC-MS

检测项目 Test Item(s)	单位 Unit	定量限 LOQ	结果 Result(s)	限值 Limit
			No.(1+2+3) <sup>#</sup>	
毒死蜱/ Chlorpyrifos	mg/kg	0.01	ND	≤0.01
结论 / Conclusion	--	--	符合 Pass	--

**备注/ Note:**

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

(2)ND=未检出, 检测值小于定量限/ ND=Not Detected or lower than limit of quantitation

(3)LOQ =定量限/ LOQ =Limit of quantitation

(4)"--"=未规定/ "--"=Not regulated

(5)<sup>#</sup>=依据申请方要求, 对样品按等质量比例进行混合测试, 基于混合测试部件中的最小样品质量计算测试结果。/ <sup>#</sup>= As per applicant's requirement, the testing was conducted based on mixed components by weight in equal ratio, results are calculated by the minimum weight of mixed components.

(6)<sup>^1</sup>=该限值的生效日期: 2025-08-04; <sup>^2</sup>=该限值的生效日期: 2027-08-04; <sup>^3</sup>=该限值的生效日期: 2029-08-04。  
/ <sup>^1</sup>=Effective date of this limit: 2025-08-04; <sup>^2</sup>=Effective date of this limit: 2027-08-04; <sup>^3</sup>=Effective date of this limit: 2029-08-04.

(7)<sup>^4</sup>=该限值的生效日期: 2025-10-14; <sup>^5</sup>=该限值的生效日期: 2028-04-15。/ <sup>^4</sup>=Effective date of this limit: 2025-10-14; <sup>^5</sup>=Effective date of this limit: 2028-04-15.

(8)中链氯化石蜡(C14-17)(MCCP)的限值要求由客户提供。/ The limits of Medium Chain Chlorinated Paraffins (C14-17) (MCCP) were provided by client.

(9)含有 9-21 个碳原子的长链全氟羧酸(C9-C21 LCPFCAs)及其盐类和 C9-C21 LCPFCA 相关物质的限值要求由客户提供。/ The limits of Perfluorocarboxylic acids containing 9 to 21 carbon atoms in the long-chain(C9-C21 LCPFCAs) and their salts and C9-C21 LCPFCA-related substances were provided by client.

(10)毒死蜱的限值要求由客户提供。/ The limits of Chlorpyrifos were provided by client.

(11)此报告是在沃特报告 WTF26F05149871R2X2C 基础上修改, 并替代报告 WTF26F05149871R2X2C。

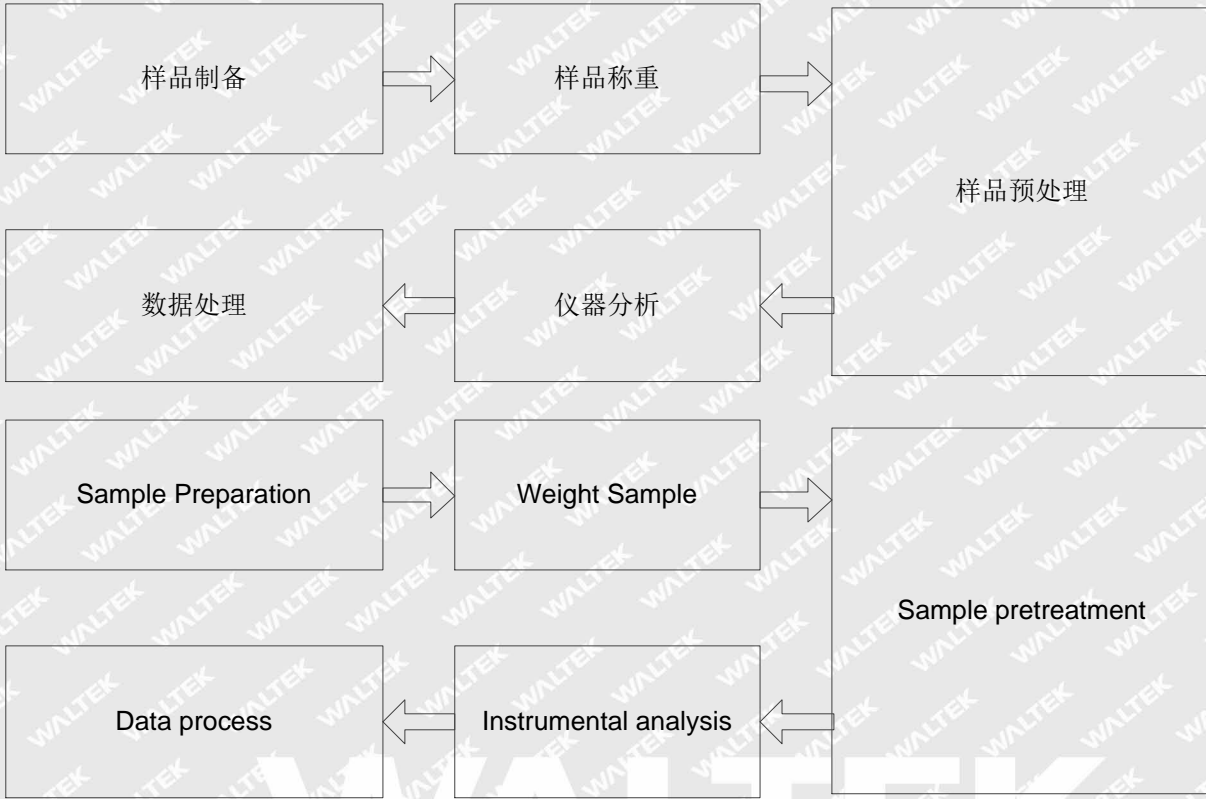
This report is based on Waltek test report WTF26F05149871R2X2C for revising, and replaced report WTF26F05149871R2X2C.



报告编号/ Report No.: WTF26F05149871R2X4C

任务号/Job No.: SHW2605291592CJ

测试流程图 / Testing Flow chart:

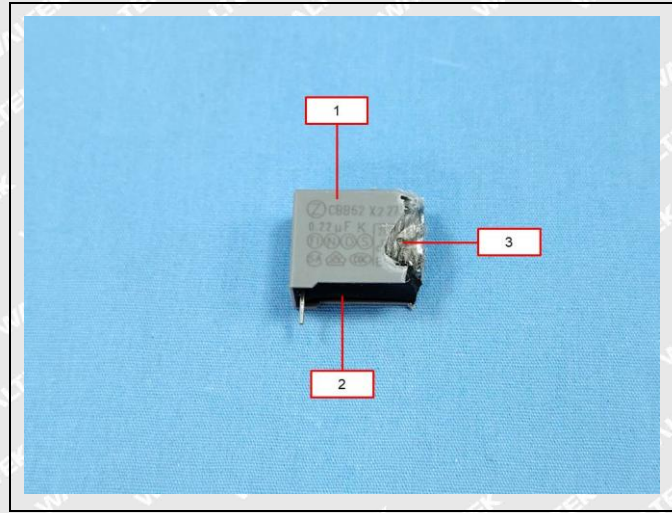


样品描述 / Specimen Description:

样品 ID Specimen ID	样品编号 Specimen No.	样品描述 Specimen Description
SHW2605291592CJ. 1	1	灰色塑料外壳 Grey plastic shell
SHW2605291592CJ. 2	2	黑色环氧树脂 Black epoxy resin
SHW2605291592CJ. 3	3	银色塑料薄膜 Silvery plastic film



测试部位图片 / Photograph of parts tested:



备注/ Remarks:

1. 检验检测结果仅对测试样品负责;  
The results shown in this test report refer only to the sample(s) tested;
2. 报告未经本司的书面批准不得部分复制;  
This test report cannot be reproduced, except in full, without prior written permission of the company;
3. 报告经涂改、增删、无批准人签字或未加盖本司检验检测专用章无效;  
The report would be invalid without specific stamp of test institute and the signatures of compiler and approver;
4. 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, 沃特未核实其真实性;  
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 Waltek hasn't verified;
5. 报告未加盖资质认定标志章, 则仅用于科研、教学、内部质量控制等活动, 不可用作向社会出具具有证明作用数据的用途。  
If the report is not stamped with the accreditation recognized seal, it will only be used for scientific research, education, and internal quality control activities, and is not used for the purpose of issuing supporting data to the society.
6. 样品材质信息(型号信息)由客户提供, 测试实验室未核实主测型号与参考型号的差异, 参考型号样品未进行测试, 测试实验室不承担客户提供信息的准确性、适当性、完整性和真实性责任。  
The sample material information (Model No. information) is provided by client, not verified by test laboratory. The samples of reference Model No. are not tested. Test laboratory not responsible for the accuracy, appropriateness, completeness and authenticity of the information provided by client.

=====**报告结束/ End of Report**=====