

Report No./报告编号: YHJC202209280017

Date/日期: Oct.07,2022/2022 年 10 月 07 日

Client/客户: Xinjia(Zhongshan)Mold Co., Ltd

/中山市信佳模具有限公司

No.13,Baoshan Zhangjia Street,New Qianjin Village,Tanzhou Town, Zhongshan City, Guangdong Province/广东省中山市坦洲镇新前进村宝山张家街 13 号
Sample Receiving Date/样品接收日期 : Sep.28,2022/2022 年 09 月 28 日

: From Sep.28,2022 to Oct.07,2022

Testing Period/检测周期

/由 2022 年 09 月 28 日开始至 2022 年 10 月 07 日结束

The following sample (s) and sample information was / were submitted and identified by/on behalf of the client/以下样品和样品信息由客户提供并确认:

ITEM/序号	Sample Name/样品名称
1	双色键帽/Two color injection molding key cap

SUMMARY OF TEST RESULTS/测试要求及结论

ITEM/序号	TEST REQUESTED/测试标准及要求	CONCLUSION/结论
1.	European Council Directive 2011/65/EU on Restrictions on the Use of Certain Hazardous Substances in Electrical and Electronic Equipment and It's Amendments(RoHS)/欧洲理事会指令 2011/65/EU 关于限制在电气和电子设备中使用某些有害物质及其修订指令(RoHS)	Pass/合格

*****FOR FURTHER DETAILS,PLEASE REFER TO THE FOLLWING PAGE(S)/更详细的测试信息, 详见后附页面*****


 Prepared By: 郑姣姣

 Checked By: 陈丽红

 Approved By: Kevin Yang

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审核: Clare Chen/陈丽红

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Lab Clerk/实验室文员

Lab Supervisor/实验室主管

Lab Manager/实验室经理

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TEST RESULTS/测试结果

1. EUROPEAN COUNCIL DIRECTIVE 2011/65/EU ON RESTRICTIONS ON THE USE OF CERTAIN HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT AND IT'S AMENDMENTS(ROHS)/

欧洲理事会指令 2011/65/EU 关于限制在电气和电子设备中使用某些有害物质及其修订指令(RoHS)

(A)Test Result Summary/测试结果汇总

Testing Item/测试项目	Result/结果	RDL/报告限
	1-1+1-2 [▲]	
Lead (Pb) Content(mg/kg)/铅	ND/未检出	5
Cadmium (Cd) Content(mg/kg)/镉	ND/未检出	2.5
Mercury (Hg) Content(mg/kg)/汞	ND/未检出	5
Chromium (VI) (Cr ⁶⁺) Content(mg/kg)/六价铬	ND/未检出 [!]	5
Polybrominated Biphenyls (PBBs)(mg/kg)/多溴联苯总和	ND/未检出	--
Monobromobiphenyl (MonoBB)(mg/kg)/一溴联苯	ND/未检出	5
Dibromobiphenyl (DiBB)(mg/kg)/二溴联苯	ND/未检出	5
Tribromobiphenyl (TriBB)(mg/kg)/三溴联苯	ND/未检出	5
Tetrabromobiphenyl (TetraBB)(mg/kg)/四溴联苯	ND/未检出	5
Pentabromobiphenyl (PentaBB)(mg/kg)/五溴联苯	ND/未检出	5
Hexabromobiphenyl (HexaBB)(mg/kg)/六溴联苯	ND/未检出	5
Heptabromobiphenyl (HeptaBB)(mg/kg)/七溴联苯	ND/未检出	5
Octabromobiphenyl (OctaBB)(mg/kg)/八溴联苯	ND/未检出	5
Nonabromobiphenyl (NonaBB)(mg/kg)/九溴联苯	ND/未检出	5
Decabromobiphenyl (DecaBB)(mg/kg)/十溴联苯	ND/未检出	5
Polybrominated Diphenyl Ethers (PBDEs)(mg/kg)/多溴联苯醚总和	ND/未检出	--
Monobromodiphenyl Ether (MonoBDE)(mg/kg)/一溴二苯醚	ND/未检出	5
Dibromodiphenyl Ether (DiBDE)(mg/kg)/二溴二苯醚	ND/未检出	5
Tribromodiphenyl Ether (TriBDE)(mg/kg)/三溴二苯醚	ND/未检出	5
Tetrabromodiphenyl Ether (TetraBDE)(mg/kg)/四溴二苯醚	ND/未检出	5
Pentabromodiphenyl Ether (PentaBDE)(mg/kg)/五溴二苯醚	ND/未检出	5
Hexabromodiphenyl Ether (HexaBDE)(mg/kg)/六溴二苯醚	ND/未检出	5
Heptabromodiphenyl Ether(HeptaBDE)(mg/kg)/七溴二苯醚	ND/未检出	5
Octabromodiphenyl Ether (OctaBDE)(mg/kg)/八溴二苯醚	ND/未检出	5
Nonabromodiphenyl Ether (NonaBDE)(mg/kg)/九溴二苯醚	ND/未检出	5
Decabromodiphenyl Ether (DecaBDE)(mg/kg)/十溴二苯醚	ND/未检出	5

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TEST RESULTS/测试结果:

Testing Item/测试项目	Result/结果	RDL/报告限
	1-1+1-2 [▲]	
Dibutyl Phthalate (DBP)(mg/kg)/邻苯二甲酸二丁酯	ND/未检出	150
Benzyl Butyl Phthalate (BBP)(mg/kg)/邻苯二甲酸丁酯苄酯	ND/未检出	150
Diethyl Hexyl Phthalate (DEHP)(mg/kg)/邻苯二甲酸二(2-乙基己基)酯	ND/未检出	150
Diisobutyl Phthalate (DIBP)(mg/kg)/邻苯二甲酸二异丁酯	ND/未检出	150

Remark/备注:

mg/kg = Milligram per Kilogram/毫克每千克

RDL= Report Detection Limit/报告限=报告检测极限

ND=Not Detected (lower than RDL)/未检出=低于报告限

[!]=Reported as Total Chromium (Cr)[!]=报告为总铬含量

[▲]=As the client's requirement, the sample was tested in mixture./根据客户要求, 样品进行混合测试

(B)RoHS Requirement/有害物质限用指令限值要求

Restricted Substances/限用物质	Limits/限值
Lead (Pb)/铅	0.1% (1000 mg/kg)
Cadmium (Cd)/镉	0.01% (100 mg/kg)
Mercury (Hg)/汞	0.1% (1000 mg/kg)
Chromium (VI) (Cr ⁶⁺)/六价铬	0.1% (1000 mg/kg)
Polybrominated Biphenyls (PBBs)/多溴联苯总和	0.1% (1000 mg/kg)
Polybrominated Diphenyl Ethers (PBDEs)/多溴联苯醚总和	0.1% (1000 mg/kg)
Dibutyl Phthalate (DBP)/邻苯二甲酸二丁酯	0.1% (1000 mg/kg)
Benzyl Butyl Phthalate (BBP)/邻苯二甲酸丁酯苄酯	0.1% (1000 mg/kg)
Diethyl Hexyl Phthalate (DEHP)/邻苯二甲酸二(2-乙基己基)酯	0.1% (1000 mg/kg)
Diisobutyl Phthalate (DIBP)/邻苯二甲酸二异丁酯	0.1% (1000 mg/kg)

Remark/备注:

The Above Limits Were Quoted From 2011/65/EU And It's Amendments For Homogeneous Material.

/以上限值引用于 2011/65/EU 法规及其修正案, 对于均质材料。

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TEST RESULTS/测试结果:
(C)Test Method/测试方法

Testing Item 测试项目	Testing Method / Instrument 测试方法/仪器
Lead (Pb) Content/铅	IEC 62321-5:2013/ ICP-OES
Cadmium (Cd) Content/镉	IEC 62321-5:2013/ ICP-OES
Mercury (Hg) Content/汞	IEC 62321-4:2013+A1:2017/ ICP-OES
Chromium (Cr) Content/铬	IEC 62321-5:2013/ ICP-OES
Chromium (VI) (Cr ⁶⁺)Content/六价铬	IEC 62321-7-2:2017 /UV-VIS Spectrophotometer
Polybrominated Biphenyls (PBBs)/多溴联苯 Polybrominated Diphenyl Ethers (PBDEs)/多溴联苯醚	IEC 62321-6:2015/ GC-MS
Dibutyl Phthalate (DBP)/邻苯二甲酸二丁酯	IEC 62321-8:2017/ GC-MS
Benzyl Butyl Phthalate (BBP)/邻苯二甲酸丁酯苄酯	
Diethyl Hexyl Phthalate (DEHP)/邻苯二甲酸二(2-乙基己基)酯	
Diisobutyl Phthalate (DIBP)/邻苯二甲酸二异丁酯	

Test Part Description/测试部位描述:			
1-1	Orange plastic /橙色塑胶	1-2	Black plastic /黑色塑胶

SAMPLE(S) PHOTO/样品照片


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