



报告编号: GSL20210419010 日期: 2021年4月26日

第 1 页 共 23 页

申请方 上海品致测控技术有限公司

地址 上海市宝山区呼兰西路 100 号 1 幢 3 层 C、D 座

样品描述 温湿度传感器

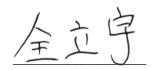
型号 HV1036

样品接收时间 2021年4月19日

测试周期 2021年4月19日-2021年4月26日

申请测试项目	测试结果
- 欧盟 RoHS 指令 2011/65/EU,2015/863/EU 及后续修正指令	通过

具体测试结果,请参见后续页面



全立宇 技术主管 上海量远检测技术有限公司







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样品照片





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Läping Toward (186-21)64788792

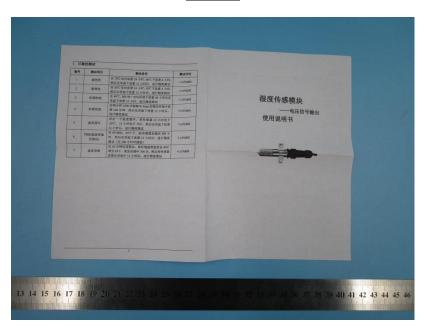
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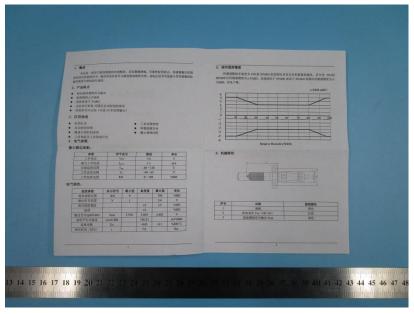




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待续



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测试结果:

电子电器禁用某些有害物质指令

测试方法: 参照 IEC 62321-4:2013 Ed.1, IEC 62321-5:2013 Ed.1, IEC 62321-7-1:2015, 电子电器产品中四种限 用物质浓度测定。参照 IEC 62321-6:2015, 聚合物和电子材料中的多溴联苯和多溴二苯醚测定 参照 IEC 62321-8:2017,聚合物中邻苯二甲酸酯的测定

化合物	单位	测试结果	限值	方法
		1		检出限
铅 (Pb)	mg/kg	ND	1000	10
汞 (Hg)	mg/kg	ND	1000	10
镉 (Cd)	mg/kg	ND	100	10
六价铬 (Cr VI)	mg/kg	NE	NE	-
Polybrominated Biphenyls 多溴联苯 (PBI	3s):			
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联苯	k醚 (PBDI	≣s):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		5
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000	
Phthalates 邻苯二甲酸酯:				
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基已基)酯(DEHP)	mg/kg	ND	1000	30
邻苯二甲酸二异丁酯 DIBP	mg/kg	ND	1000	30

备注: ND = 未检出, 小于方法检出限

NE = 阴性, 表示结果阴性, 不含有六价铬

mg/kg = ppm, 毫克每千克

最大允许极限值引用自 2011/65/EU, 2015/863/EU 及后续修正指令.

该样品测试方法和判定标准由客户指定。



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测试方法: 参照 IEC 62321-4:2013 Ed.1, IEC 62321-5:2013 Ed.1, IEC 62321-7-1:2015, 电子电器产品中四种限用 物质浓度测定。参照 IEC 62321-6:2015, 聚合物和电子材料中的多溴联苯和多溴二苯醚测定 参照 IEC 62321-8:2017,聚合物中邻苯二甲酸酯的测定

化合物	単位	测试结果	 	方法
		2		检出限
铅 (Pb)	mg/kg	ND	1000	10
汞 (Hg)	mg/kg	ND	1000	10
镉 (Cd)	mg/kg	ND	100	10
六价铬 (Cr VI)	mg/kg	NE	NE	-
Polybrominated Biphenyls 多溴联苯 (PBI	Bs):			
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联苯	b醚 (PBDE	is):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		5
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000	
Phthalates 邻苯二甲酸酯:				
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基已基)酯(DEHP)	mg/kg	ND	1000	30
邻苯二甲酸二异丁酯 DIBP	mg/kg	ND	1000	30
备注: ND = 未检出, 小于方法检出限			,	

NE = 阴性, 表示结果阴性, 不含有六价铬

mg/kg = ppm, 毫克每千克

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测试方法: 参照 IEC 62321-4:2013 Ed.1, IEC 62321-5:2013 Ed.1, IEC 62321-7-1:2015, 电子电器产品中四种限 用物质浓度测定。参照 IEC 62321-6:2015, 聚合物和电子材料中的多溴联苯和多溴二苯醚测定 参照 IEC 62321-8:2017,聚合物中邻苯二甲酸酯的测定

化合物	单位	测试结果 3	限值	方法 检出限
铅 (Pb)	mg/kg	ND	1000	<u> </u>
汞 (Hg)	mg/kg	ND	1000	10
辆 (Cd)	mg/kg	ND	1000	10
六价铬 (Cr VI)	mg/kg	NE	NE	-
Polybrominated Biphenyls 多溴联苯 (PBI				
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联苯	t醚 (PBDE	Es):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		5
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000	
Phthalates 邻苯二甲酸酯:				
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基己基)酯(DEHP)	mg/kg	ND	1000	30
邻苯二甲酸二异丁酯 DIBP	mg/kg	ND	1000	30

备注: ND = 未检出, 小于方法检出限

NE = 阴性, 表示结果阴性, 不含有六价铬

mg/kg = ppm, 毫克每千克

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2 111 2 2 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1	1) M / A / C 田		
化合物	单位	<u>测试结果</u> 4	限值	方法 检出限
铅 (Pb)	mg/kg	ND	1000	<u> </u>
汞 (Hg)	mg/kg	ND	1000	10
镉 (Cd)	mg/kg	ND	100	10
六价铬 (Cr VI)	mg/kg	NE NE	NE	-
Polybrominated Biphenyls 多溴联苯 (PBI				
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联苯	醚 (PBDI	Es):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
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Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
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Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000	
Phthalates 邻苯二甲酸酯:				
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基已基)酯(DEHP)	mg/kg	ND	1000	30
邻苯二甲酸二异丁酯 DIBP	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基己基)酯(DEHP)	mg/kg	ND	1000	30

备注: ND = 未检出, 小于方法检出限

NE = 阴性, 表示结果阴性, 不含有六价铬

mg/kg = ppm, 毫克每千克

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报告编号: GSL20210419010 日期: 2021年4月26日

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测试方法: 参照 IEC 62321-4:2013 Ed.1, IEC 62321-5:2013 Ed.1, IEC 62321-7-1:2015, 电子电器产品中四种限 用物质浓度测定。参照 IEC 62321-6:2015, 聚合物和电子材料中的多溴联苯和多溴二苯醚测定 参照 IEC 62321-8:2017,聚合物中邻苯二甲酸酯的测定

化合物	单位	测试结果 5	限值	方法 检出限
铅 (Pb)	mg/kg	ND	1000	<u> </u>
汞 (Hg)	mg/kg	ND	1000	10
孫 (Fig) 镉 (Cd)	mg/kg	ND	1000	10
六价铬 (Cr VI)	mg/kg	NE	NE	-
Polybrominated Biphenyls 多溴联苯 (PBI		INL	INL	-
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联苯		Ēs):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		5
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000	
Phthalates 邻苯二甲酸酯:				
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基已基)酯(DEHP)	mg/kg	ND	1000	30
邻苯二甲酸二异丁酯 DIBP	mg/kg	ND	1000	30

备注: ND = 未检出, 小于方法检出限

NE = 阴性, 表示结果阴性, 不含有六价铬

mg/kg = ppm, 毫克每千克

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化合物	单位	测试结果 6	限值	方法 检出限
铅 (Pb)	mg/kg	ND	1000	<u> </u>
汞 (Hg)	mg/kg	ND	1000	10
孫 (Fig) 镉 (Cd)	mg/kg	ND	1000	10
六价铬 (Cr VI)	mg/kg	NE	NE	-
Polybrominated Biphenyls 多溴联苯 (PBI		NL	INL	-
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联苯		Ēs):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		5
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000	
Phthalates 邻苯二甲酸酯:				
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基已基)酯(DEHP)	mg/kg	ND	1000	30
邻苯二甲酸二异丁酯 DIBP	mg/kg	ND	1000	30

备注: ND = 未检出, 小于方法检出限

NE = 阴性, 表示结果阴性, 不含有六价铬

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测试方法: 参照 IEC 62321-4:2013 Ed.1, IEC 62321-5:2013 Ed.1, IEC 62321-7-2:2017, 电子电器产品中四种限 用物质浓度测定。参照 IEC 62321-6:2015, 聚合物和电子材料中的多溴联苯和多溴二苯醚测定 参照 IEC 62321-8:2017,聚合物中邻苯二甲酸酯的测定

2 3 3 3 3 4 3 4 3 4 4 4 4 4 4 4 4 4 4 4	1	测试结果		
化合物	单位		限值	力 伝 检出限
铅 (Pb)	mg/kg	ND	1000	10
汞 (Hg)	mg/kg	ND	1000	10
镉 (Cd)	mg/kg	ND	100	10
六价铬 (Cr VI)	mg/kg	ND	1000	10
Polybrominated Biphenyls 多溴联苯 (PBI				
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联苯	company (PBDI	Es):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		5
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000	
Phthalates 邻苯二甲酸酯:				
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基己基)酯(DEHP)	mg/kg	ND	1000	30
邻苯二甲酸二异丁酯 DIBP	mg/kg	ND	1000	30
备注:		1	<u> </u>	

ND = 未检出, 小于方法检出限

mg/kg = ppm, 毫克每千克

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测试方法: 参照 IEC 62321-4:2013 Ed.1, IEC 62321-5:2013 Ed.1, IEC 62321-7-2:2017, 电子电器产品中四种限 用物质浓度测定。参照 IEC 62321-6:2015, 聚合物和电子材料中的多溴联苯和多溴二苯醚测定 参照 IEC 62321-8:2017,聚合物中邻苯二甲酸酯的测定

单位	测试结果		方法
, , , , , ,			检出限
			10
mg/kg	ND	1000	10
mg/kg	ND	100	10
mg/kg	ND	1000	10
Bs):			
mg/kg	ND		5
mg/kg	ND	1000	
荩醚 (PBDE	Es):		
mg/kg	ND		5
"			
mg/kg	ND		5
mg/kg mg/kg	ND ND		5 5
mg/kg	ND		5
mg/kg mg/kg	ND ND		5 5
mg/kg mg/kg mg/kg	ND ND ND		5 5 5
mg/kg mg/kg mg/kg mg/kg	ND ND ND ND		5 5 5 5
mg/kg mg/kg mg/kg mg/kg	ND ND ND ND		5 5 5 5
mg/kg mg/kg mg/kg mg/kg mg/kg	ND ND ND ND ND	 1000	5 5 5 5
mg/kg mg/kg mg/kg mg/kg mg/kg	ND ND ND ND ND	 1000	5 5 5 5
	mg/kg mg/kg s): mg/kg	#位 8 mg/kg ND	単位

ND = 未检出, 小于方法检出限

mg/kg = ppm, 毫克每千克

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测试方法: 参照 IEC 62321-4:2013 Ed.1, IEC 62321-5:2013 Ed.1, IEC 62321-7-2:2017, 电子电器产品中四种限 用物质浓度测定。参照 IEC 62321-6:2015, 聚合物和电子材料中的多溴联苯和多溴二苯醚测定 参照 IEC 62321-8:2017,聚合物中邻苯二甲酸酯的测定

T	3世十七年 田		>+
单位		限值	方法 检出限
ma/ka		1000	<u>如此时降</u> 10
			10
			10
			10
	ND	1000	10
1	ND	T T	5
			5
			5
			5
			5
		-	<u>5</u>
			<u>5</u>
			<u>5</u>
		-	5
		+	<u>5</u>
mg/kg	ND		5
	ND		5
mg/kg	ND	1000	
mg/kg	ND	1000	30
mg/kg	ND	1000	30
mg/kg	ND	1000	30
	ND	1000	30
	mg/kg	mg/kg	単位 9

ND = 未检出, 小于方法检出限

mg/kg = ppm, 毫克每千克

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测试方法: 参照 IEC 62321-4:2013 Ed.1, IEC 62321-5:2013 Ed.1, IEC 62321-7-2:2017, 电子电器产品中四种限 用物质浓度测定。参照 IEC 62321-6:2015, 聚合物和电子材料中的多溴联苯和多溴二苯醚测定 参照 IEC 62321-8:2017,聚合物中邻苯二甲酸酯的测定

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ND = 未检出, 小于方法检出限

mg/kg = ppm, 毫克每千克

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化合物	单位	测试结果	限值	方法
	一一	11		检出限
铅 (Pb)	mg/kg	ND	1000	10
汞 (Hg)	mg/kg	ND	1000	10
镉 (Cd)	mg/kg	ND	100	10
六价铬 (Cr VI)	mg/kg	ND	1000	10
Polybrominated Biphenyls 多溴联苯 (PBI	Bs):			
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联苯	醚 (PBDI	Ēs):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		
		IND		5
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
			+	5 5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚 Heptabromodiphenyl ethers 七溴联苯醚	mg/kg mg/kg	ND ND		5 5
Hexabromodiphenyl ethers 六溴联苯醚 Heptabromodiphenyl ethers 七溴联苯醚 Octabromodiphenyl ethers 八溴联苯醚	mg/kg mg/kg mg/kg	ND ND ND		5 5 5
Hexabromodiphenyl ethers 六溴联苯醚 Heptabromodiphenyl ethers 七溴联苯醚 Octabromodiphenyl ethers 八溴联苯醚 Nonabromodiphenyl ethers 九溴联苯醚	mg/kg mg/kg mg/kg mg/kg	ND ND ND ND	 	5 5 5 5
Hexabromodiphenyl ethers 六溴联苯醚 Heptabromodiphenyl ethers 七溴联苯醚 Octabromodiphenyl ethers 八溴联苯醚 Nonabromodiphenyl ethers 九溴联苯醚 Decabromodiphenyl ether 十溴联苯醚	mg/kg mg/kg mg/kg mg/kg	ND ND ND ND ND		5 5 5 5 5
Hexabromodiphenyl ethers 六溴联苯醚 Heptabromodiphenyl ethers 七溴联苯醚 Octabromodiphenyl ethers 八溴联苯醚 Nonabromodiphenyl ethers 九溴联苯醚 Decabromodiphenyl ether 十溴联苯醚 Sum of PBDEs 多溴联苯醚总和	mg/kg mg/kg mg/kg mg/kg mg/kg	ND ND ND ND ND		5 5 5 5 5 5
Hexabromodiphenyl ethers 六溴联苯醚 Heptabromodiphenyl ethers 七溴联苯醚 Octabromodiphenyl ethers 八溴联苯醚 Nonabromodiphenyl ethers 九溴联苯醚 Decabromodiphenyl ether 十溴联苯醚 Sum of PBDEs 多溴联苯醚总和	mg/kg mg/kg mg/kg mg/kg mg/kg	ND ND ND ND ND		5 5 5 5 5 5
Hexabromodiphenyl ethers 六溴联苯醚 Heptabromodiphenyl ethers 七溴联苯醚 Octabromodiphenyl ethers 八溴联苯醚 Nonabromodiphenyl ethers 九溴联苯醚 Decabromodiphenyl ether 十溴联苯醚 Sum of PBDEs 多溴联苯醚总和 Phthalates 邻苯二甲酸酯:	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	ND ND ND ND ND ND	 1000	5 5 5 5 5 5 5
邻苯二甲酸二丁酯(DBP)	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	ND	 1000	5 5 5 5 5 5

ND = 未检出, 小于方法检出限

mg/kg = ppm, 毫克每千克

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单位 ng/kg ng/kg	测试结果 12 ND	限值	方法 检出限
ng/kg			
	ND	1000	
ng/ka l		1000	10
5	ND	1000	10
ng/kg	ND	100	10
ng/kg	ND	1000	10
:			
ng/kg	ND		5
ng/kg	ND	1000	
(PBDE	Es):		
ng/kg	ND		5
	ND		5
ng/kg	ND	1000	
ng/kg	ND	1000	30
ng/kg	ND	1000	30
ng/kg	ND	1000	30
ng/kg	ND	1000	30
	ig/kg	ing/kg ND	gg/kg ND

ND = 未检出, 小于方法检出限

mg/kg = ppm, 毫克每千克

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从入場	単位	测试结果	阳法	方法
化合物	十二 十二	13	限值	检出限
铅 (Pb)	mg/kg	ND	1000	10
汞 (Hg)	mg/kg	ND	1000	10
镉 (Cd)	mg/kg	ND	100	10
六价铬 (Cr VI)	mg/kg	ND	1000	10
Polybrominated Biphenyls 多溴联苯 (PB	Bs):			
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联苯	c醚 (PBD	Es):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		5
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000	
Phthalates 邻苯二甲酸酯:				
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基已基)酯(DEHP)	mg/kg	ND	1000	30
邻苯二甲酸二异丁酯 DIBP	mg/kg	ND	1000	30
各注:	שייישייי ו	1	. 555	

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化合物	单位	测试结果 14	限值	方法 检出限
铅 (Pb)	mg/kg	ND	1000	10
汞 (Hg)	mg/kg	ND	1000	10
镉 (Cd)	mg/kg	ND	100	10
六价铬 (Cr VI)	mg/kg	ND	1000	10
Polybrominated Biphenyls 多溴联苯 (PBI				
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联苯	c醚 (PBDE	is):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		5
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000	
Phthalates 邻苯二甲酸酯:				
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基己基)酯(DEHP)	mg/kg	ND	1000	30
10-1 — 1 BA—(= O'L O'L)				

ND = 未检出, 小于方法检出限

mg/kg = ppm, 毫克每千克

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ル今物	化合物 单位 测试结果		限值	方法	
10日初	一个 世	15	队但	检出限	
铅 (Pb)	mg/kg	ND	1000	10	
汞 (Hg)	mg/kg	ND	1000	10	
镉 (Cd)	mg/kg	ND	100	10	
六价铬 (Cr VI)	mg/kg	ND	1000	10	
Polybrominated Biphenyls 多溴联苯 (PBI	Bs):				
Bromobiphenyls 一溴联苯	mg/kg	ND		5	
Dibromobiphenyls 二溴联苯	mg/kg	ND		5	
Tribromobiphenyls 三溴联苯	mg/kg	ND		5	
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5	
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5	
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5	
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5	
Octabromobiphenyls 八溴联苯	mg/kg	ND		5	
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5	
Decabromobiphenyl 十溴联苯	mg/kg	ND		5	
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000		
Polybrominated Diphenyl Ethers 多溴联苯	t醚 (PBDI	Es):			
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5	
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5	
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5	
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		5	
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5	
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5	
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5	
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5	
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5	
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5	
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000		
Phthalates 邻苯二甲酸酯:					
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30	
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30	
邻苯二甲酸二(2-乙基己基)酯(DEHP)	mg/kg	ND	1000	30	
邻苯二甲酸二异丁酯 DIBP	mg/kg	ND	1000	30	

备注:

ND = 未检出, 小于方法检出限

mg/kg = ppm, 毫克每千克

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报告编号: GSL20210419010 日期: 2021年4月26日

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测试方法: 参照 IEC 62321-4:2013 Ed.1, IEC 62321-5:2013 Ed.1, IEC 62321-7-2:2017, 电子电器产品中四种限 用物质浓度测定。参照 IEC 62321-6:2015, 聚合物和电子材料中的多溴联苯和多溴二苯醚测定 参照 IEC 62321-8:2017,聚合物中邻苯二甲酸酯的测定

化合物	单位	测试结果 	限值	方法 检出限
铅 (Pb)	mg/kg	ND	1000	10
汞 (Hg)	mg/kg	ND	1000	10
镉 (Cd)	mg/kg	ND	100	10
六价铬 (Cr VI)	mg/kg	ND	1000	10
Polybrominated Biphenyls 多溴联苯 (PBI	Bs):			
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联苯	c醚 (PBDE	Es):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		5
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000	
Phthalates 邻苯二甲酸酯:				
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基己基)酯(DEHP)	mg/kg	ND	1000	30
10-1 — 1 — (= O ± O ±) iii (= = : :)				

ND = 未检出, 小于方法检出限

mg/kg = ppm, 毫克每千克

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化合物	单位	测试结果 	限值	方法 检出限
铅 (Pb)	mg/kg	ND	1000	10
汞 (Hg)	mg/kg	ND	1000	10
镉 (Cd)	mg/kg	ND	100	10
六价铬 (Cr VI)	mg/kg	ND	1000	10
Polybrominated Biphenyls 多溴联苯 (PBI	Bs):			
Bromobiphenyls 一溴联苯	mg/kg	ND		5
Dibromobiphenyls 二溴联苯	mg/kg	ND		5
Tribromobiphenyls 三溴联苯	mg/kg	ND		5
Tetrabromobiphenyls 四溴联苯	mg/kg	ND		5
Pentabromobiphenyls 五溴联苯	mg/kg	ND		5
Hexabromobiphenyls 六溴联苯	mg/kg	ND		5
Heptabromobiphenyls 七溴联苯	mg/kg	ND		5
Octabromobiphenyls 八溴联苯	mg/kg	ND		5
Nonabromobiphenyls 九溴联苯	mg/kg	ND		5
Decabromobiphenyl 十溴联苯	mg/kg	ND		5
Sum of PBBs 多溴联苯总和	mg/kg	ND	1000	
Polybrominated Diphenyl Ethers 多溴联オ	b醚 (PBDE	Es):		
Bromodiphenyl ethers 一溴联苯醚	mg/kg	ND		5
Dibromodiphenyl ethers 二溴联苯醚	mg/kg	ND		5
Tribromodiphenyl ethers 三溴联苯醚	mg/kg	ND		5
Tetrabromodiphenyl ethers 四溴联苯醚	mg/kg	ND		5
Pentabromodiphenyl ethers 五溴联苯醚	mg/kg	ND		5
Hexabromodiphenyl ethers 六溴联苯醚	mg/kg	ND		5
Heptabromodiphenyl ethers 七溴联苯醚	mg/kg	ND		5
Octabromodiphenyl ethers 八溴联苯醚	mg/kg	ND		5
Nonabromodiphenyl ethers 九溴联苯醚	mg/kg	ND		5
Decabromodiphenyl ether 十溴联苯醚	mg/kg	ND		5
Sum of PBDEs 多溴联苯醚总和	mg/kg	ND	1000	
Phthalates 邻苯二甲酸酯:				
邻苯二甲酸二丁酯(DBP)	mg/kg	ND	1000	30
邻苯二甲酸丁酯苄酯(BBP)	mg/kg	ND	1000	30
	mg/kg	ND	1000	30
邻苯二甲酸二(2-乙基己基)酯(DEHP)	ilig/kg i	110	.000	

ND = 未检出, 小于方法检出限

mg/kg = ppm, 毫克每千克

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测试方法: 参照 IEC 62321-4:2013 Ed.1, IEC 62321-5:2013 Ed.1, IEC 62321-7-2:2017, 电子电器产品中四种限 用物质浓度测定。参照 IEC 62321-6:2015, 聚合物和电子材料中的多溴联苯和多溴二苯醚测定 参照 IEC 62321-8:2017,聚合物中邻苯二甲酸酯的测定

单位 测试结果 18	限債	方法	
	18	PKE	检出限
mg/kg	ND	1000	10
mg/kg	ND	1000	10
mg/kg	ND	100	10
mg/kg	ND	1000	10
Bs):			
mg/kg	ND		5
mg/kg	ND	1000	
:醚 (PBDE	Ēs):	<u> </u>	
mg/kg	ND		5
1			
mg/kg	ND		5
mg/kg mg/kg	ND ND		5 5
mg/kg	ND		5
mg/kg mg/kg	ND ND		5 5
mg/kg mg/kg mg/kg	ND ND ND		5 5 5
mg/kg mg/kg mg/kg mg/kg	ND ND ND ND		5 5 5 5
mg/kg mg/kg mg/kg mg/kg	ND ND ND ND		5 5 5 5
mg/kg mg/kg mg/kg mg/kg mg/kg	ND ND ND ND ND	 1000	5 5 5 5
mg/kg mg/kg mg/kg mg/kg mg/kg	ND ND ND ND ND	 1000	5 5 5 5
	mg/kg	#位 18 mg/kg ND	単位

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mg/kg = ppm, 毫克每千克

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样品	样品描述
1	银色金属线
2	金色金属触脚
3	银色金属壳
4	金色金属插座
5	金属探针上的银色金属环
6	银色磨砂金属探针
7	黑色塑料电缆 (外部)
8	红色塑料电缆 (内部)
9	黑色塑料电缆 (内部)
10	蓝色塑料电缆(内部)
11	带黑色印刷的白色塑料标签
12	蓝色塑料盖
13	黑色塑料壳体
14	PCB 板
15	PCB 板上白色涂层
16	黑色橡胶圈
17	红色橡胶圈
18	灰色塑料支架

测试仪器

V 4 " 1 D 4 P P		
测试仪器名称	型号/设备编号	校准状态
等离子体发射光谱	5100VDV/GS-002A	2019年7月1日至2021年6月30日
气相色谱-质谱联用仪器	7890B/5977A/GS-001A	2019年7月1日至2021年6月30日
可见光分光光度计	V1600PC/GS-003A	2019年7月1日至2021年6月30日

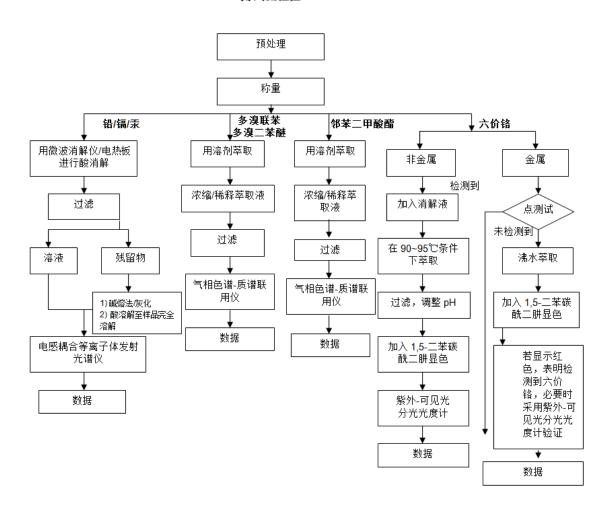






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测试流程图



*** 报告结束 ***



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