

测试报告

No. CANEC2122479728

日期: 2021年12月07日 第1页,共6页

深圳琦富瑞电子有限公司

深圳市光明新区公明街道楼村社区鲤鱼河工业园振兴路5号

以下测试之样品是由申请者所提供及确认: Silicone rubber wire and cable

SGS工作编号: CP21-063355 - SZ
型号: UL3135 12AWG 黑色, UL3135 14AWG 白色, UL3536 16AWG 红色
客户参考信息: 请见备注
样品接收日期: 2021年11月30日
测试周期: 2021年11月30日 - 2021年12月06日
测试要求: 根据客户要求测试
测试方法: 请参见下一页
测试结果: 请参见下一页

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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center Chemical Laboratory.

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测试结果:

测试样品描述:

样品编号	SGS样品ID	描述
SN1	CAN21-224797.012	黑色塑胶外皮 12A+白色塑胶外皮 12B+红色塑胶外皮 12C

备注:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = 方法检测限
- (3) ND = 未检出 (< MDL)
- (4) "-" = 未规定

AfPS GS 2019:01 PAK-多环芳香烃

测试方法: 参考AfPS GS 2019:01 PAK测试, 采用 GC-MS进行分析。

测试项目	CAS NO.	单位	MDL	012
萘 (NAP)	91-20-3	mg/kg	0.1	ND
菲 (PHE)	85-01-8	mg/kg	0.1	ND
蒽 (ANT)	120-12-7	mg/kg	0.1	ND
荧蒽 (FLT)	206-44-0	mg/kg	0.1	ND
芘 (PYR)	129-00-0	mg/kg	0.1	ND
苯并(a)蒽 (BaA)	56-55-3	mg/kg	0.1	ND
蒎 (CHR)	218-01-9	mg/kg	0.1	ND
苯并(b)荧蒽 (BbF)	205-99-2	mg/kg	0.1	ND
苯并(j)荧蒽 (BjF)	205-82-3	mg/kg	0.1	ND
苯并(k)荧蒽 (BkF)	207-08-9	mg/kg	0.1	ND
苯并(a)芘 (BaP)	50-32-8	mg/kg	0.1	ND
苯并(e)芘 (BeP)	192-97-2	mg/kg	0.1	ND
茚并(1,2,3-c,d)芘 (IPY)	193-39-5	mg/kg	0.1	ND
二苯并(a,h)蒽(DBA)	53-70-3	mg/kg	0.1	ND
苯并(g,h,i)花(二苯并(a,h)蒽) (BPE)	191-24-2	mg/kg	0.1	ND
4项多环芳香烃总和(菲 (PHE), 芘 (PYR), 蒽 (ANT), 荧蒽 (FLT))	-	mg/kg	-	ND
15项多环芳香烃总和	-	mg/kg	-	ND



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AfPS (德国产品安全委员会):多环芳香烃的要求

参数 (mg/kg)	1类	2类		3类	
	设计意图为放入口中的材料,或与皮肤长期接触(超过30秒)的材料用于 -2009/48/EC定义的玩具,或 -供3岁以下儿童 ^{a,b} 使用。	不属于第1类,设计意图或可预见 ^d 与皮肤长期接触(超过30秒)或短期重复接触 ^c 的材料		不属于第1和2类,设计意图或可预见与皮肤短期接触(不超过30秒)材料	
		a.供儿童使用的产品	b.其他产品	a.供儿童使用的产品	b.其他产品
苯并(a)芘 (BaP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(e)芘 (BeP)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(a)蒽 (BaA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(b)荧蒽 (BbF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(j)荧蒽 (BjF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(k)荧蒽 (BkF)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
蒽 (CHR)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
二苯并(a,h)蒽 (DBA)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
苯并(g,h,i)芘(二萘嵌苯) (BPE)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
茚并(1,2,3-c,d)芘 (IPY)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
菲 (PHE), 芘 (PYR), 蒽 (ANT), 荧蒽 (FLT)	< 1 (总和)	< 5 (总和)	< 10 (总和)	< 20 (总和)	< 50 (总和)
萘 (NAP)	< 1	< 2		< 10	
15 PAH之和	<1	< 5	< 10	< 20	< 50

注释:

- ^a 儿童是指法定年龄未满 14 周岁的人。
- ^b 供儿童使用包括儿童的主动接触或被动接触。
- ^c “短期重复接触”的定义摘自 REACH 附录 XVII 第 50 条修正案 (EC) No. 1272/2013)。
- ^d 根据德国产品安全法 (ProdSG) (第一章第 2 条第 28 款) 的定义,“可预见的使用”是指将产品投放市场的人无意但可以合理预见的方式使用产品。

备注:

德国产品安全委员会 (AfPS) 于 2020 年 4 月 10 日发布了关于多环芳香烃 (PAHs) 的新文件 (AfPS GS 2019:01 PAK), 该文件将于 2020 年 7 月 1 日起用于 GS-MARK 认证。

备注: 样品的测试是基于申请人要求混合测试, 报告中的混合测试结果不代表其中个别单一材质的含量, 该测试数据仅供参考。

除非另有说明, 此报告结果仅对测试的样品负责。本报告未经本公司书面许可, 不可部分复制。检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



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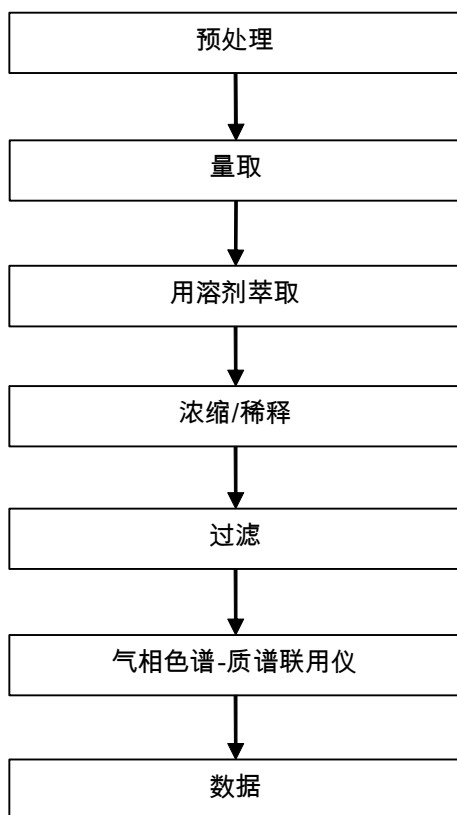
备注:

UL3068、3069、3070、3071、3074、3075、3098、3099、3100、3101、3113、3115、
3122、3123、3125、3126、3127、3128、3132、3133、3134、3135、3136、3137、
3138、3139、3140、3141、3142、3143、3144、3145、3167、3171、3172、3207、
3208、3209、3210、3211、3212、3213、3214、3215、3216、3217、3231、3232、
3239、3240、3241、3243、3251、3252、3253、3254、3262、3267、3268、3276、
3278、3304、3306、3318、3322、3326、3332、3434、3487、3512、3513、3519、
3520、3529、3530、3535、3536、3561、3639、3640、3641、3642、3644、3645、
3566、3580、3585、3605、60245IEC03(YG)、H05S-K、(N)2GFAF、SVT-S、16878/7、
16878/8C、SF-1、SF-2、SFF-1、SFF-2、QFR-3782、QFR-1110、QFR 3068、QFR 3071、
QFR 3074、QFR 3122、QFR 3132、QFR 3133、QFR 3135、QFR 3212、QFR 3213、
3239、QFR 3239-3KV、QFR 3239-6KV、QFR 3239-10KV、QFR 3239-20KV、
QFR 3239-25KV、QFR 3239-30KV、QFR 3239-40KV、QFR 3304、QFR 3512、RS-GE、
QFR-SR-F、QFR-SG-E、QFR-SF、QFR-RS-T、QFR-FG4-2、EMTE-MO、EMTE-S、
QFR-FG4-2、QFR-RS-T、QFR-SG-E、QFR-1110、QFR-3782、SRP080、QFR-SR-F、
QFR-1110、QFR-0913、QFR-0823、AGG、AGR、JG-500、JG-1000、JG-3000、
QFR-SR3、QFR-SR6、QFR-RS-GE、E-200/TX/SR 150V,300V,600V、SILICONE RUBBER
U-SHAPED MATERIAL , CQC SILICONE RUBBER WIRE AND SILICONE RUBBER TUBE



附件

PAHs 测试流程图



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