

检测报告

编号: CANEC2300364442

日期: 2023年02月20日 第1页,共10页

客户名称: 乐山希尔电子股份有限公司
客户地址: 四川省乐山市高新区南新路9号

样品名称: 灌封整流桥
型号: S35VB100
客户参考信息: 见备注
以上样品及信息由客户提供。

本报告取代检测报告CANEC2300364428

SGS工作编号: 10023982 - CQ
样品接收日期: 2023年01月06日
检测周期: 2023年01月06日 - 2023年01月19日
检测要求: 根据客户要求
- 基于欧盟POPs法规((EU) 2019/1021 及其修正法规 (EU) 2021/277, 对附录I中物质进行筛分检测。
检测结果: 请参见下一页

总结:

根据具体的检测范围和分析技术, 委托样品中POPs物质浓度<法规限值

合格

通标标准技术服务有限公司广州分公司
授权签名

关正孟

Zm guan关正孟
批准签署人

scan to see the report



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Guangzhou Branch (China) General Chemical Laboratory

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备注:

1. 欧盟POPs法规(EU) 2019/1021, 附录I 中的物质禁用在混合物及物品中使用, 除非法规有特殊豁免。
2. 豁免: 四溴联苯醚、五溴联苯醚、六溴联苯醚、七溴联苯醚和十溴联苯醚在物质中的法规限值是10mg/kg, 混合物和物品中四溴、五溴、六溴、七溴和十溴二苯醚的总和不得超过500 mg/kg, 该限制应在2021年7月16日之前由委员会审查和评估
3. 豁免: RoHS指令(2011/65/EU)定义的电器电子产品中四溴联苯醚、五溴联苯醚、六溴联苯醚、七溴联苯醚和十溴联苯醚豁免于POPs法规。
4. 豁免: C10-13 氯代烃(短链氯化石蜡)在混合物中的法规限值是1.0% (w/w), 在物品中的法规限值为0.15% (w/w)。
5. 豁免: 全氟辛烷磺酸(PFOS)及其衍生物在混合物中的法规限值是10mg/kg, 在物品中的法规限值是0.1%(w/w), 在纺织品和涂层材料中的限值是1ug/m²。
6. 豁免: HBCDD 做为无意添加的微量污染物, 在物质, 混合物, 物品或者物品的阻燃剂中不能超出100mg/kg。
7. 对POPs物质的分析检测是基于现有的技术, 根据客户要求进行检测。
8. ^检测结果可能来源于混合检测中一个或多个组分, 建议客户进一步定量分析检测含有POPs的组分并且得到POPs物质的准确浓度。

检测样品:

检测样品描述:

样品编号
SN1SGS 样品ID
CAN23-003644.005描述
带黄色印字的黑色塑料壳SGS-CSI Standards Technical Service Co., Ltd.
Guangzhou Branch (China) Testing Laboratory

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检测方法:

SGS内部方法-GZTC CHEM-TOP-268-01, 采用GC-MS、GC-ECD和HPLC-DAD-MS 或 LC-MS/MS进行分析。

检测结果:

序号	物质名称	CAS No.	单位	RL	005 浓度
-	所有检测清单中的POPs	-	mg/kg	-	ND

注释:

- (1) 上表仅显示检出的POPs, 低于RL的POPs没有列出, 所有检测的POPs请参见附录。
- (2) RL = 报告极限值, 所有RL是基于均一材质的检测。ND = 未检出(<RL)
- (3) 全氟辛烷磺酸 (PFOS)及其盐*包括全氟辛烷磺酸 (CAS No.1763-23-1)、POSF (CAS No. 307-35-7)、PFOS-K (CAS No. 2795-39-3)、PFOS-NH₄ (CAS No. 29081-56-9)、PFOS-N(C₁₀H₂₁)₂(CH₃)₂ (CAS No. 251099-16-8)、PFOS-NH₂(C₂H₄OH)₂ (CAS No. 70225-14-8)、PFOS-Li (CAS No. 29457-72-5)、PFOS-N(C₂H₅)₄ (CAS No. 56773-42-3)和PFOS-Na (CAS No. 4021-47-0)。全氟辛烷磺酸(PFOS)的结果用于表示全氟辛烷磺酸及其盐。
- (4) 全氟辛酸 (PFOA)及其盐*包括PFOA (CAS No. 335-67-1)、APFO (CAS No. 3825-26-1)、PFOA-Na (CAS No. 335-95-5)、PFOA-K (CAS No. 2395-00-8)、PFOA-Ag (CAS No. 335-93-3)和PFOA-F (CAS No. 335-66-0)。全氟辛酸 (PFOA)的结果用于表示全氟辛酸 (PFOA)及其盐。
- (5) 多溴联苯醚总和*是指四溴联苯醚、五溴联苯醚、六溴联苯醚、七溴联苯醚和十溴联苯醚的总和。
- (6) 本报告中的检测结果和照片引用自报告CANEC2300364439。

本报告增加了客户参考信息和删除了料号。



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附录

所有检测的物品中 POPs:

序号	物质名称	CAS No.	单位	RL	法规要求 / 豁免	样品ID
1	四溴联苯醚	40088-47-9和其它	mg/kg	5	-	005
2	五溴联苯醚	32534-81-9和其它	mg/kg	5	-	005
3	六溴联苯醚	36483-60-0和其它	mg/kg	5	-	005
4	七溴联苯醚	68928-80-3和其它	mg/kg	5	-	005
5	十溴联苯醚	1163-19-5	mg/kg	5	-	005
-	多溴联苯醚总和*	-	mg/kg	-	500	005
6	全氟辛酸磺酸 (PFOS) 及其衍生物	-	mg/kg	-	1000	005
6-1	全氟辛酸磺酸 (PFOS) 及其盐*	-	mg/kg	0.010	-	005
6-2	N-乙基全氟辛酸磺酰胺(N-EtFOSA)	4151-50-2	mg/kg	0.010	-	005
6-3	N-甲基全氟辛酸磺酰胺(N-MeFOSA)	31506-32-8	mg/kg	0.010	-	005
6-4	2-(N-乙基全氟辛基磺酰胺)乙醇(N-EtFOSE)	1691-99-2	mg/kg	0.010	-	005
6-5	2-(N-甲基全氟辛基磺酰胺)乙醇(N-MeFOSE)	24448-09-7	mg/kg	0.010	-	005
6-6	全氟辛基磺酰胺(PFOA)	754-91-6	mg/kg	0.010	-	005
7	4,4'-滴滴涕	50-29-3	mg/kg	0.05	禁用	005
8	氯丹	57-74-9	mg/kg	0.01	禁用	005
9	六氯环己烷	58-89-9 319-84-6 319-85-7 608-73-1	mg/kg	0.05	禁用	005
10	狄氏剂	60-57-1	mg/kg	0.05	禁用	005
11	异狄氏剂	72-20-8	mg/kg	0.05	禁用	005



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附录

所有检测的物品中 POPs:

序号	物质名称	CAS No.	单位	RL	法规要求 / 豁免	样品ID
12	七氯	76-44-8	mg/kg	0.05	禁用	005
13	硫丹	115-29-7 959-98-8 33213-65-9	mg/kg	0.05	禁用	005
14	六氯苯	118-74-1	mg/kg	5	禁用	005
15	十氯铜	143-50-0	mg/kg	0.2	禁用	005
16	艾氏剂	309-00-2	mg/kg	0.05	禁用	005
17	五氯苯	608-93-5	mg/kg	5	禁用	005
18	多氯联苯 (PCB)	1336-36-3 和其他	mg/kg	5	禁用	005
19	灭蚁灵	2385-85-5	mg/kg	0.05	禁用	005
20	毒杀芬	8001-35-2	mg/kg	0.2	禁用	005
21	六溴联苯	36355-01-8	mg/kg	5	禁用	005
22	六溴环十二烷(HBCDD) 及其非对映异构体(α -HBCDD, β -HBCDD, γ -HBCDD)	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	mg/kg	10	100	005
23	六氯丁二烯	87-68-3	mg/kg	5	禁用	005
24	五氯苯酚(PCP)及其盐和酯	87-86-5和其它	mg/kg	0.5	5	005
25	多氯萘 (PCN)	70776-03-3和其它	mg/kg	5	禁用	005
26	C ₁₀ ~C ₁₃ 氯代烃(短链氯化石蜡) (SCCPs)	85535-84-8和其它	mg/kg	50	1500	005
27	全氟辛酸 (PFOA) 及其盐*	-	mg/kg	0.010	0.025	005
28	全氟辛酸(PFOA)相关物质	-	mg/kg	-	1.0	005
28-1	1H,1H,2H,2H-全氟癸烷磺酸 (8:2 FTS)	39108-34-4	mg/kg	0.1	-	005
28-2	全氟辛酸甲酯 (Me-PFOA)	376-27-2	mg/kg	0.1	-	005



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附录

所有检测的物品中 POPs:

序号	物质名称	CAS No.	单位	RL	法规要求 / 豁免	样品ID
28-3	全氟辛酸乙酯 (Et-PFOA)	3108-24-5	mg/kg	0.1	-	005
28-4	1H,1H,2H,2H-全氟-1-癸醇(8:2 FTOH)	678-39-7	mg/kg	0.1	-	005
28-5	1H,1H,2H,2H-全氟癸基丙烯酸酯(8:2 FTA)	27905-45-9	mg/kg	0.1	-	005
28-6	1H,1H,2H,2H-甲基丙烯酸全氟癸酯(8:2 FTMA)	1996-88-9	mg/kg	0.1	-	005
28-7	全氟辛基碘烷 (PFOI)	507-63-1	mg/kg	0.1	-	005
29	三氯杀螨醇	115-32-2	mg/kg	0.05	禁用	005

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备注:

S Model S, followed by 15.25.35.50.60.75, followed by VB.BL, followed by 05.10.20.40.60.80.100.120.140.160, maybe followed by W.Z.A. L.X.WC. WB .DT. D
ST Model ST, followed by 15.25.35.50.55.60.75, followed by 02.04.06.08.10.12.14, 16, 18, maybe followed by W.M.K.WL.A.D.L.S
SGBPC Model SGBPC, followed by 15.25.35.50.60.75, followed by 02.04.06, 08.10.12.14.16.18
KBPC Model KBPC, followed by 4.6.8.10.15.25.35.50.60.75, followed by 02.04.06, 08.10.12.14.16.18, maybe followed by A
GBPC Model GBPC, followed by 4.6.8.10.15.25.35.50.60.75, followed by 02.04.06.08.10.12.14.16.18, maybe followed by D.L. Z.W.A.ZL.WS.WD.WC.WL. WF.WFL
MDD Model MDD, followed by 50.60, 70.80.90.100.110.120.140.150.160, 180.200, followed by A, followed by 60.80.100.120.140.160.180.200.250
MT3516M.2CZ1506
2CZ2001/02/04/06/08/10/812/14/16 2CZ1501/02/04/06/08/10/812/14/16
2CZ1001/02/04/06/08/10/812/14/16 2CZ801/02/04/06/08/10/812/14/16 2CZ601/02/04/06/08/10/812/14/16
W06/08/10/12/14/16(G)、2W06/08/10/12/14/16(G)
MTP3516A1、MTP5016A1
MDQ50-06
MDQ Model MDQ followed by 50, followed by 06
MTP Model MTP, followed by 35, 50 followed by 16, followed by A1
MDS Model MDS 30.40.50.60.70.75.80.90.100.120.150.160.200.250.300.350.400.500, 600, followed by AB.BB.CB.DB.EB.FB.GB.HB.IB.JB.KB followed by 60.70.80.90.100.120.140.160.180.200.220.250.300.400 maybe followed by A.B.C.D.E.F.G
MDC/120/130/140/150/160BB80/100/120/160/180/200 MDC30/60/90CB80/120/160/180
MDD70/90/110/120/140/150/160/200A80/100/120/160/180/200
MFDK100/200/300A20/30/40 MFDB50/60/75/80/100A20/30/40/60 B
MFDB50/60/75/80/100A20/30/40/60 C MFDD160/200/240/300/360/400A/K/Z30/40/60



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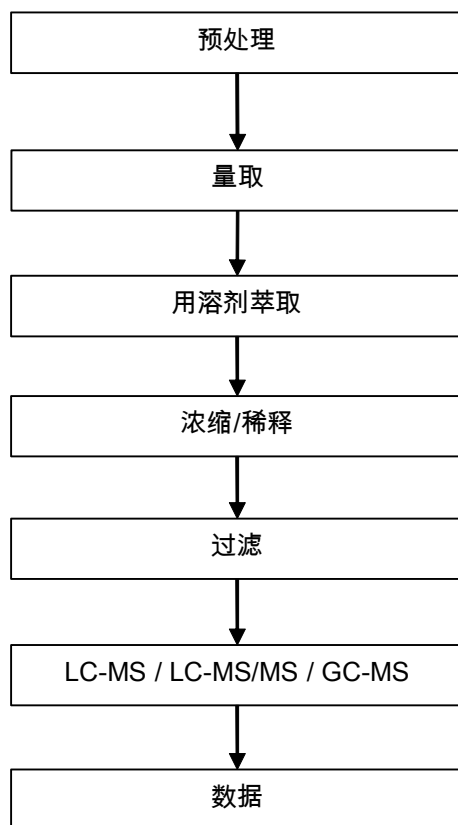
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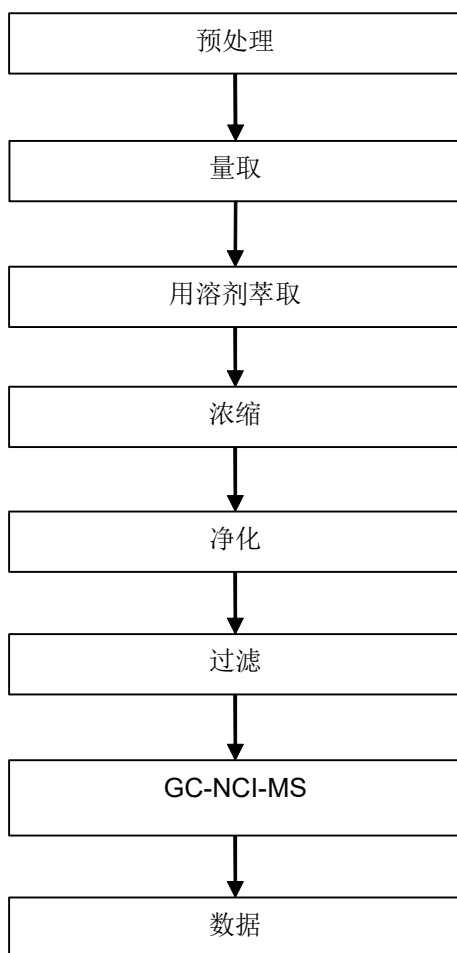
附件

PFAS 检测流程图



附件

SCCP/MCCP/LCCP 检测流程图



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