检测报告

编号：CANEC24024015108　　**日期：**2024 年 11 月 07 日　　第 1 页，共 4 页

客户名称：　深圳市乾盛达科技有限公司

客户地址：　广东省中山市南朗镇侨光工业园 11 栋

样品名称：　SOT-89

客户参考信息：　适用于：SOT-23/SOT-323/SOT-353/SOT-363/SOT-563/SOT-553/SOT-723/SOT-523/SOT23-3/SOT23-5/SOT23-6/PDFN3*3-8L/PDFN5*6-8L/DFN3*3/DFN-2*2/TOLL8/TO-252/TO-252-4

以上样品及信息由客户提供。

SGS 工作编号：　GZP24-034941

样品接收时间：　2024 年 11 月 01 日

检测周期：　2024 年 11 月 01 日 ~ 2024 年 11 月 07 日

检测要求：　根据客户要求检测

检测方法：　见后续页。

检测结果：　见后续页。

检测要求	结论
美国环保署有毒物质控制法 (TSCA) 第 6 (h)节规定的持久性、生物累积性和毒性 (PBT) 化学物质	符合

通标标准技术服务有限公司广州分公司
授权签名

Dongyu Xie 谢冬育
批准签署人

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检测结果：

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	A1	CAN24-0240151-0001.C001	"SOT-89"

备注：

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

美国环保署有毒物质控制法 (TSCA) 第 6 (h)节规定的持久性、生物累积性和毒性 (PBT) 化学物质

检测方法： SGS 内部方法(SGS-CCL-TOP-149-07，参考 US EPA 方法 3550C:2007)，采用 GC-MS 进行分析。

检测项目	CAS No.	限值	单位	MDL	A1
十溴二苯醚 (Deca-BDE)[Δ1]	1163-19-5	禁用	mg/kg	5	ND
异丙基化磷酸三苯酯 (PIP 3:1)[Δ2]	68937-41-7	禁用	mg/kg	5	ND
2,4,6-三叔丁基苯酚 (2,4,6-TTBP)[Δ3]	732-26-3	3000	mg/kg	5	ND
六氯丁二烯 (HCBD)	87-68-3	禁用	mg/kg	5	ND
五氯苯硫酚 (PCTP)	133-49-3	10000	mg/kg	5	ND
结论					**符合**

备注：

(1) 法规信息请参见下链接
https://www.epa.gov/assessing-and-managing-chemicals-under-tsca/persistent-bioaccumulative-and-toxic-pbt-chemicals-under
(2) [Δ1]:若送测样品来自于产品或物品含有十溴二苯醚的产品或物品的回收塑料，则可豁免；
(3) [Δ2]: 提交的样品有下列情形之一的，不在法规的管控范围内：
- 用于航空或军事用途的液压油；
- 润滑剂和润滑脂；
- 汽车和航空航天车辆的新零件和替换零件；
- 生产氰基丙烯酸酯胶粘剂的中间体；
- 机车和船用专用发动机空气滤清器；
- 来自于含有 PIP（3:1）的产品或物品的回收塑料；
- 用含有 PIP（3:1） 回收产品或物品的塑料制成的产品或物品

(4) [Δ3]: 提交的样品如果不是机油或润滑油，则不在法规的管控范围内；

除非另有说明，参照 ILAC-G8:09/2019，使用简单接受（*w*=0）的二元判定规则进行符合性判定。
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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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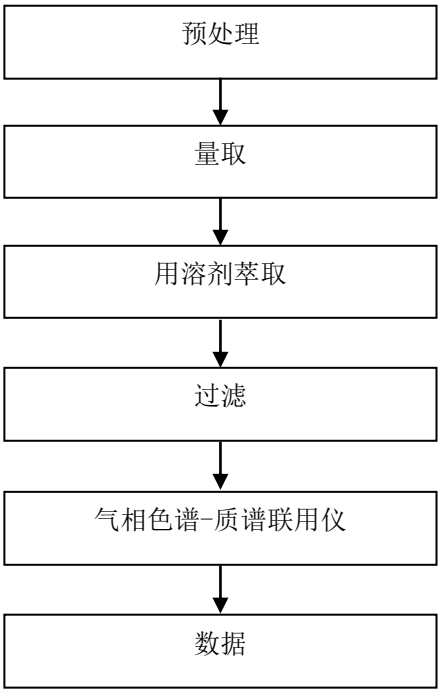
附件

持久性、生物累积性和毒性（PBT）化学物质检测流程图



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样品照片：

CAN24-0240151-0001.C001

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检测报告

编号：CANEC24024015102　　**日期：**2024 年 11 月 07 日　　第 1 页，共 7 页

客户名称：　深圳市乾盛达科技有限公司

客户地址：　广东省中山市南朗镇侨光工业园 11 栋

样品名称：　SOT-89

客户参考信息：　适用于：SOT-23/SOT-323/SOT-353/SOT-363/SOT-563/SOT-553/SOT-723/SOT-523/SOT23-3/SOT23-5/SOT23-6/PDFN3*3-8L/PDFN5*6-8L/DFN3*3/DFN-2*2/TOLL8/TO-252/TO-252-4

以上样品及信息由客户提供。

SGS 工作编号：　GZP24-034941

样品接收时间：　2024 年 11 月 01 日

检测周期：　2024 年 11 月 01 日 ~ 2024 年 11 月 07 日

检测要求：　根据客户要求检测

检测方法：　见后续页。

检测结果：　见后续页。

检测要求	结论
欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)	符合

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Dongyu Xie 谢冬育
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检测结果：

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	A1	CAN24-0240151-0001.C001	"SOT-89"

备注：

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

欧盟 RoHS 指令 2011/65/EU 附录 II 的修正指令(EU) 2015/863-铅、汞、镉、六价铬、多溴联苯 (PBB)、多溴二苯醚 (PBDE)、邻苯二甲酸二(2-乙基己基)酯 (DEHP)、邻苯二甲酸丁苄酯 (BBP)、邻苯二甲酸二丁酯 (DBP)和邻苯二甲酸二异丁酯 (DIBP)

检测方法： 参考 IEC 62321-4:2013+AMD1:2017，IEC 62321-5:2013，IEC 62321-7-2:2017 和 IEC 62321-12:2023，采用 ICP-OES/AAS，UV-Vis 和 GC-MS 进行分析。

检测项目	限值	单位	MDL	A1
铅 (Pb)	1000	mg/kg	2	ND
汞 (Hg)	1000	mg/kg	2	ND
镉 (Cd)	100	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和 (PBB)	1000	mg/kg	-	ND
一溴联苯 (MonoBB)	-	mg/kg	25	ND
二溴联苯 (DiBB)	-	mg/kg	25	ND
三溴联苯 (TriBB)	-	mg/kg	25	ND
四溴联苯 (TetraBB)	-	mg/kg	25	ND
五溴联苯 (PentaBB)	-	mg/kg	25	ND
六溴联苯 (HexaBB)	-	mg/kg	25	ND
七溴联苯 (HeptaBB)	-	mg/kg	25	ND
八溴联苯 (OctaBB)	-	mg/kg	25	ND
九溴联苯 (NonaBB)	-	mg/kg	25	ND
十溴联苯 (DecaBB)	-	mg/kg	25	ND
多溴二苯醚之和 (PBDE)	1000	mg/kg	-	ND
一溴二苯醚 (MonoBDE)	-	mg/kg	25	ND
二溴二苯醚 (DiBDE)	-	mg/kg	25	ND
三溴二苯醚 (TriBDE)	-	mg/kg	25	ND
四溴二苯醚 (TetraBDE)	-	mg/kg	25	ND
五溴二苯醚 (PentaBDE)	-	mg/kg	25	ND
六溴二苯醚 (HexaBDE)	-	mg/kg	25	ND
七溴二苯醚 (HeptaBDE)	-	mg/kg	25	ND
八溴二苯醚 (OctaBDE)	-	mg/kg	25	ND

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检测项目	限值	单位	MDL	A1
九溴二苯醚 (NonaBDE)	-	mg/kg	25	ND
十溴二苯醚 (DecaBDE)	-	mg/kg	25	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	1000	mg/kg	50	ND
邻苯二甲酸丁苄酯 (BBP)	1000	mg/kg	50	ND
邻苯二甲酸二丁酯 (DBP)	1000	mg/kg	50	ND
邻苯二甲酸二异丁酯 (DIBP)	1000	mg/kg	50	ND

备注：

(1) 最大允许极限值引用自 RoHS 指令(EU) 2015/863。

(2) IEC 62321 系列等同于 EN 62321 系列。

(3) 2021 年 7 月 22 号开始，DEHP， BBP， DBP 和 DIBP 的限制适用于医疗器械，包括体外医疗器械，监控仪表，包括工业监测和控制仪器。

除非另有说明，参照 ILAC-G8:09/2019，使用简单接受（*w*=0）的二元判定规则进行符合性判定。

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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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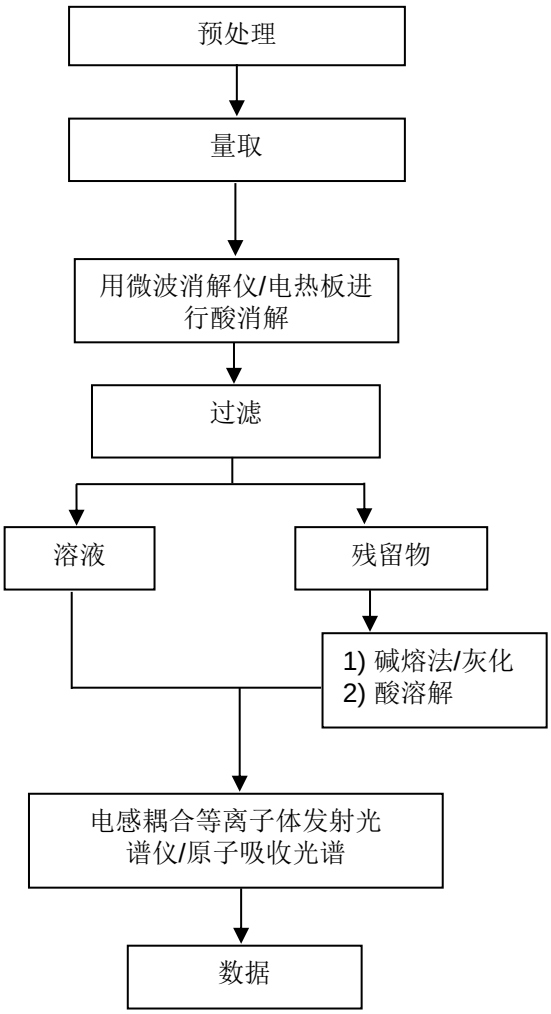
附件

元素检测流程图

样品按照下述流程被完全消解



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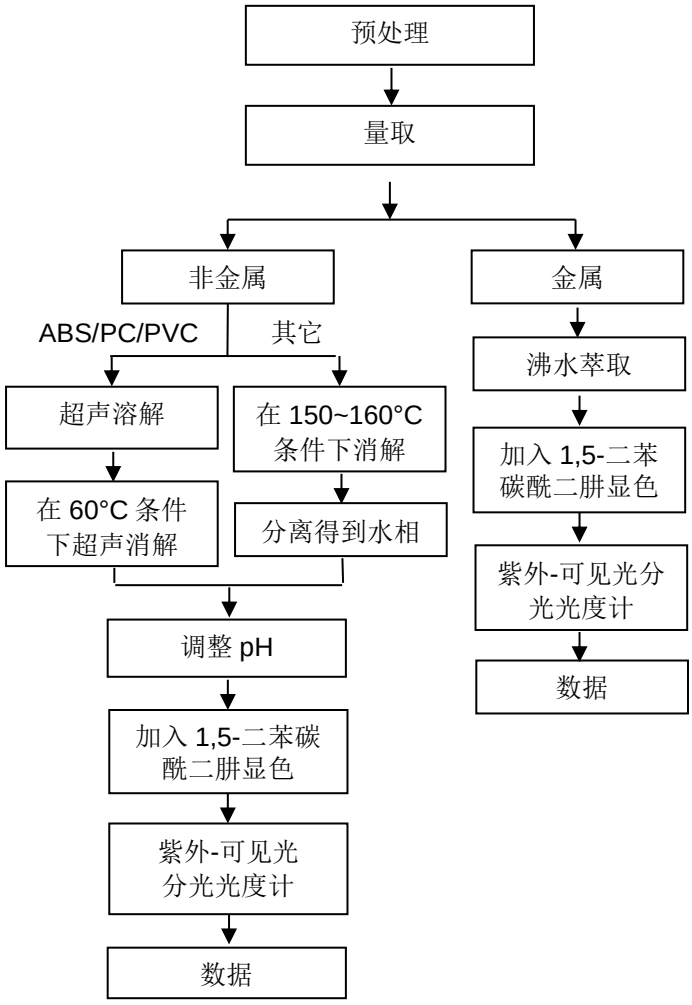
附件

六价铬检测流程图



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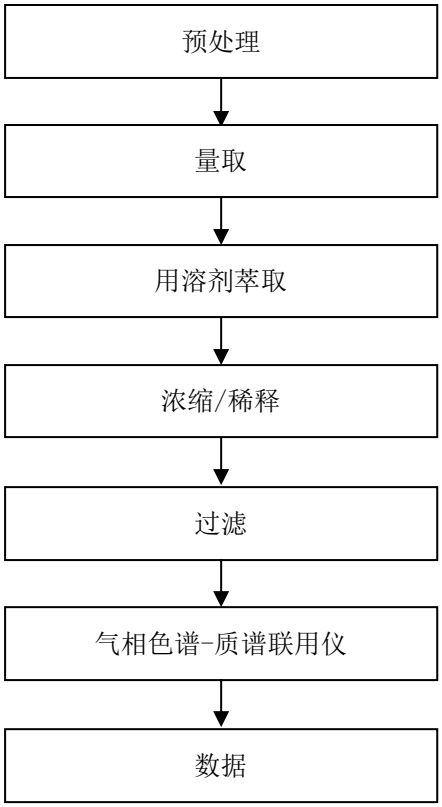
附件

PBB/PBDE/Phthalates 检测流程图



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样品照片：

CAN24-0240151-0001.C001

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检验检测专用章 Inspection & Testing Services
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检测报告
(SVHC)

编号：CANEC24024015104　　**日期：**2024 年 11 月 07 日　　

客户名称：　深圳市乾盛达科技有限公司

客户地址：　广东省中山市南朗镇侨光工业园 11 栋

样品名称：　SOT-89

客户参考信息：　适用于：SOT-23/SOT-323/SOT-353/SOT-363/SOT-563/SOT-553/SOT-723/SOT-523/SOT23-3/SOT23-5/SOT23-6/PDFN3*3-8L/PDFN5*6-8L/DFN3*3/DFN-2*2/TOLL8/TO-252/TO-252-4

以上样品及信息由客户提供。

SGS 工作编号：　GZP24-034941

样品接收时间：　2024 年 11 月 01 日

检测周期：　2024 年 11 月 01 日 ~ 2024 年 11 月 07 日

检测要求：　根据客户要求，
(i) 基于欧洲化学品管理署截止 2024 年 6 月 27 日公布的供授权审议的高关注物质候选清单(根据欧盟第 1907/2006 号 REACH 法规)，对 241 项高关注物质(SVHC)进行筛分检测。
根据客户要求，
(i) 基于欧洲化学品管理署截止 2024 年 8 月 30 日公布的潜在的高关注物质咨询清单(根据欧盟第 1907/2006 号 REACH 法规)，对 6 种高关注物质(SVHC)进行筛分检测。
(ii) 对 2 项潜在的待定高关注物质(SVHC)进行筛分检测。
(iii) 基于欧洲化学品管理署公布的高关注物质意向清单(根据欧盟第 1907/2006 号 REACH 法规)，对 6 项潜在的高关注物质(SVHC)进行筛分检测。

检测方法：　见后续页。

检测结果：　见后续页。

总结：

通标标准技术服务有限公司广州分公司
授权签名

Dongyu Xie 谢冬育
批准签署人

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根据具体的范围和筛分检测，所提交样品中供授权审议的高关注物质候选清单所属 241 项 SVHC 结果≤ 0.1% (w/w)。	通过
根据具体的范围和筛分检测，所提交样品中 14 项潜在的 SVHC 结果≤ 0.1% (w/w)。	通过

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备注：

1. 本报告所涉及的关于特定高关注物质的化学分析是根据欧洲化学品管理署发布的下列文件，利用现有的分析技术完成的。
   http://echa.europa.eu/web/guest/candidate-list-table
   这些文件清单由欧洲化学品管理署评估, 将来可能会有变化。
2. REACH 法规义务：
   2.1 关于物品：
   告知：
   欧盟第 1907/2006（EC）号法规第 33 条规定，含有满足第 57 条中的标准并根据第 59 条第一款被确定且质量分数大于 0.1%的物质的物品的所有供应商应向物品接受者提供其可获取的充足信息，以使物品使用安全，这些信息至少包括含有的候选清单中物质的名称。

   通报：
   根据欧盟第 1907/2006（EC）号法规，如果满足以下两个条件，如果物质符合第 57 条中的标准并根据第 59 条第一款被确定，物品的任何欧洲制造商或进口商应根据第 7 条第 4 款向欧盟化学品管理署进行通报：(a) 候选清单中的物质在物品中的总含量超过 1 吨/年/生产商或进口商；(b) 候选清单中的物质在物品中的总含量以质量分数计超过 0.1% 的浓度。

   自 2021 年 1 月 5 日起，在欧盟市场上供应候选清单上浓度高于 0.1%重量比（w/w）的高关注物质（SVHC）的物品的公司必须遵守废物框架指令 2008/98/EC 要求，并向 ECHA 提交有关这些物品的 SCIP 通知。

   2.2 关于材料：
   报告中的检测结果是基于检测样品。如样品是均一材质，当其构成成品时，此结果不能代表成品中的 SVHC 浓度。如样品为均一材质等比例合测，这些材质也可能来自不同的物品。

   如果样品是一种物质或混合物，并且直接出口到欧盟，客户有责任遵守欧盟第 1907/2006 号 REACH 法规第 31 条供应链信息传递的义务和附件十四中的授权高关注物质授权的责任。

   2.3 关于物质和配制品：
   如果样品中高关注物质的浓度超过 0.1% (w/w)和/或欧盟第 1272/2008 号 CLP 法规及其修订中设定的特殊浓度限值，建议客户根据欧盟第 1907/2006 号 REACH 法规对有关高关注物质准备安全数据表(SDS)以符合供应链通信的义务，如
   -根据欧盟第 1272/2008 号 CLP 法规被列为有害物质。
   -根据欧盟第 1272/2008 号 CLP 法规被列为有害混合物，而当中物质的浓度大于或等于欧盟第 1272/2008 号 CLP 法规列出的浓度限值;或
   -根据欧盟第 1272/2008 号 CLP 法规并未列为有害混合物，但包含：
   (a) 对人类健康或环境有害的物质， 而在固体或液体混合物（即非气体混合物）中其浓度≥1％(w/w)或在气体混合物中占体积≥0.2％，或
   (b) PBT 或 vPvB 物质，在固体或液体混合物（即非气体混合物）中个别浓度≥0.1％(w/w)，或
   (c) 授权审议的高关注物质候选清单上的物质（除上述以外的原因）在个别非气体混合物中的浓度≥0.1％(w/w)，或
   (d) 设有欧洲范围内工作场所接触限值的物质。
3. 如果样品中 SVHC 的检测结果超过报告限，建议客户进一步定量分析检测含有 SVHC 的组分并且得到 SVHC 物质的准确浓度。

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检测样品：

检测组：

检测结果 ID	样品描述	检测部件 ID	SGS 样品 ID
001	"SOT-89"	A1	CAN24-0240151-0001.C001

检测方法：

参考 SGS 内部方法，采用 ICP-OES、UV-VIS、GC-MS、HPLC-DAD/MS 和比色法进行分析。

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(SVHC)

候选清单中的 SVHC 结果

批次	物质名称	CAS No.	001 浓度 (%)	RL (%)
-	所有候选清单中的 SVHC	-	ND	-

潜在的 SVHC 结果

批次	物质名称	CAS No.	001 浓度 (%)	RL (%)
/	所有潜在的 SVHC	-	ND	-

备注：

(1) 上表仅显示检出的 SVHC，低于 RL 的 SVHC 没有列出。所有检测的 SVHC 请参见附录。

(2) RL = 报告限 (当检测结果 ≥ RL 时显示数据。RL 不同于法规限值。)

ND = 未检测到 (<RL)，ND 针对 SVHC 物质上。

(3) * 结果是由选定的元素结果基于最坏的情况计算，并根据物质用途和材料特性评估得出；

** 检测结果是由选定的标记物的结果并基于最坏的情况计算得出。

硼化合物的结果由 ICP-OES 检测的水提取硼元素结果换算得出。

四氧化二硼钡的结果由 ICP-OES 检测的水提取硼和钡元素结果换算得出。

RL = 0.005% 是针对元素 (例如钴、砷 、铅 、铬、铬 (VI) 、铝、锆、硼、锶、锌、锑、钛、钡、镉)，除 了钼的 RL= 0.0005%，硼的 RL= 0.0025%(仅对四氟硼酸铅) ，氟的 RL=0.050%。

(4) §只有当物质包含米氏酮(CAS No.: 90-94-8)或米氏碱(CAS No.: 101-61-1)的浓度≥ 0.1%(w / w)的情况下，该物质才被提议定为 SVHC。

(5) / =潜在的 SVHC

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附录
所有检测的 SVHC:

批次	序号	物质名称	CAS No.	RL (%)
I	1	4,4'-二氨基二苯甲烷(MDA)	101-77-9	0.050
I	2	2,4,6-三硝基-5-叔丁基间二甲苯(二甲苯麝香)	81-15-2	0.050
I	3	C10-13 氯代烃(短链氯化石蜡)	85535-84-8	0.050
I	4	蒽	120-12-7	0.050
I	5	邻苯二甲酸丁苄酯(BBP)	85-68-7	0.050
I	6	邻苯二甲酸二(2-乙基己基)酯(DEHP)	117-81-7	0.050
I	7	氧化双三丁基锡(TBTO)	56-35-9	0.050
I	8	二氯化钴*	7646-79-9	0.005
I	9	五氧化二砷*	1303-28-2	0.005
I	10	三氧化二砷*	1327-53-3	0.005
I	11	邻苯二甲酸二丁酯(DBP)	84-74-2	0.050
I	12	六溴环十二烷(HBCDD) 及其非对映异构体(α-HBCDD, β-HBCDD, γ-HBCDD)	-	0.050
I	13	砷酸氢铅*	7784-40-9	0.005
I	14	重铬酸钠*	10588-01-9 /7789-12-0	0.005
I	15	三乙基砷酸酯*	15606-95-8	0.005
II	16	2,4-二硝基甲苯	121-14-2	0.050
II	17	蒽油**	90640-80-5	0.050
II	18	蒽油，蒽糊**	90640-81-6	0.050
II	19	蒽油，蒽糊，蒽馏分**	91995-15-2	0.050
II	20	蒽油，蒽糊，轻油**	91995-17-4	0.050
II	21	蒽油，含蒽量少**	90640-82-7	0.050
II	22	邻苯二甲酸二异丁酯	84-69-5	0.050
II	23	铬酸铅*	7758-97-6	0.005
II	24	钼铬红(C.I.颜料红 104)*	12656-85-8	0.005
II	25	铅铬黄(C.I.颜料黄 34)*	1344-37-2	0.005
II	26	沥青，煤焦油，高温**	65996-93-2	0.050
II	27	磷酸三(2-氯乙基)酯	115-96-8	0.050
II	28	丙烯酰胺	79-06-1	0.050
III	29	重铬酸铵*	7789-09-5	0.005
III	30	硼酸*	-	0.005
III	31	无水四硼酸钠*	12179-04-3 /1303-96-4 /1330-43-4	0.005
III	32	铬酸钾*	7789-00-6	0.005
III	33	重铬酸钾*	7778-50-9	0.005
III	34	铬酸钠*	7775-11-3	0.005
III	35	水合硼酸钠*	12267-73-1	0.005
III	36	三氯乙烯	79-01-6	0.050
IV	37	乙二醇乙醚	110-80-5	0.050

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(SVHC)

批次	序号	物质名称	CAS No.	RL (%)
IV	38	乙二醇单甲醚	109-86-4	0.050
IV	39	铬酸, 铬酸及重铬酸低聚物, 重铬酸*	-	0.005
IV	40	三氧化铬*	1333-82-0	0.005
IV	41	碳酸钴*	513-79-1	0.005
IV	42	乙酸钴*	71-48-7	0.005
IV	43	硝酸钴*	10141-05-6	0.005
IV	44	硫酸钴*	10124-43-3	0.005
V	45	1,2,3-三氯丙烷	96-18-4	0.050
V	46	1,2-苯二酸-二(C6-8 支链)烷基酯(富 C7)	71888-89-6	0.050
V	47	1,2-苯二酸-二(C7-11 支链与直链)烷基(醇)酯	68515-42-4	0.050
V	48	1-甲基-2-吡咯烷酮	872-50-4	0.050
V	49	乙二醇乙醚醋酸酯	111-15-9	0.050
V	50	联氨	302-01-2 /7803-57-8	0.050
V	51	铬酸锶*	7789-06-2	0.005
VI	52	1,2-二氯乙烷	107-06-2	0.050
VI	53	4,4'-二氨基-3,3'-二氯二苯甲烷	101-14-4	0.050
VI	54	2-甲氧基苯胺	90-04-0	0.050
VI	55	对特辛基苯酚	140-66-9	0.050
VI	56	硅酸铝耐火陶瓷纤维*	-	0.005
VI	57	砷酸*	7778-39-4	0.005
VI	58	二乙二醇二甲醚	111-96-6	0.050
VI	59	邻苯二甲酸二甲氧基乙酯	117-82-8	0.050
VI	60	砷酸钙*	7778-44-1	0.005
VI	61	铬酸铬*	24613-89-6	0.005
VI	62	甲醛与苯胺的低聚物	25214-70-4	0.050
VI	63	叠氮化铅*	13424-46-9	0.005
VI	64	苦味酸铅*	6477-64-1	0.005
VI	65	史蒂芬酸铅*	15245-44-0	0.005
VI	66	N,N-二甲基乙酰胺	127-19-5	0.050
VI	67	氢氧化铬酸锌*	49663-84-5	0.005
VI	68	酚酞	77-09-8	0.050
VI	69	氢氧化铬酸锌钾*	11103-86-9	0.005
VI	70	砷酸铅*	3687-31-8	0.005
VI	71	氧化锆硅酸铝耐火陶瓷纤维*	-	0.005
VII	72	C.I.碱性蓝 26§	2580-56-5	0.050
VII	73	C.I.碱性紫 3§	548-62-9	0.050
VII	74	三乙二醇二甲醚(TEGDME)	112-49-2	0.050
VII	75	乙二醇二甲醚(EGDME)	110-71-4	0.050
VII	76	4,4'-二(二甲氨基)二苯甲酮(米氏酮)	90-94-8	0.050
VII	77	4,4'-二(二甲氨基)-4''-甲氨基三苯甲醇§	561-41-1	0.050
VII	78	三氧化二硼*	1303-86-2	0.005

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VII	79	甲酰胺	75-12-7	0.050
VII	80	甲基磺酸铅*	17570-76-2	0.005
VII	81	N,N,N',N'-四甲基-4,4'-二氨基二苯甲烷(米氏碱)	101-61-1	0.050
VII	82	1,3,5-三(环氧乙基甲基)-1,3,5-三嗪-2,4,6-(1H, 3H,5H)-三酮(TGIC)	2451-62-9	0.050
VII	83	C.I.溶剂蓝 4§	6786-83-0	0.050
VII	84	1,3,5-三-[(2S 和 2R)-2,3-环氧丙基]-1,3,5-三嗪-2,4,6-(1H, 3H, 5H)-三酮(β-TGIC)	59653-74-6	0.050
VIII	85	二盐基邻苯二甲酸铅*	69011-06-9	0.005
VIII	86	1,2-苯二酸-二(支链与直链)戊基酯	84777-06-0	0.050
VIII	87	乙二醇二乙醚	629-14-1	0.050
VIII	88	1-溴丙烷	106-94-5	0.050
VIII	89	3-乙基-2-甲基-2-(3-甲基丁基)-1,3-恶唑烷	143860-04-2	0.050
VIII	90	对特辛基苯酚乙氧基醚	-	0.050
VIII	91	4,4'-二氨基-3,3'-二甲基二苯甲烷	838-88-0	0.050
VIII	92	4,4'-二氨基二苯醚及其盐	101-80-4	0.050
VIII	93	4-氨基偶氮苯	60-09-3	0.050
VIII	94	2,4-二氨基甲苯	95-80-7	0.050
VIII	95	4-壬基(支链与直链)苯酚	-	0.050
VIII	96	2-甲氧基-5-甲基苯胺	120-71-8	0.050
VIII	97	碱式乙酸铅*	51404-69-4	0.005
VIII	98	4-氨基联苯	92-67-1	0.050
VIII	99	十溴二苯醚(DecaBDE)	1163-19-5	0.050
VIII	100	环己烷-1,2-二羧酸酐, 顺式-环己烷-1,2-二羧酸酐, 反式-环己烷-1,2-二羧酸酐	-	0.050
VIII	101	偶氮二甲酰胺	123-77-3	0.050
VIII	102	二丁基二氯化锡(DBTC)	683-18-1	0.050
VIII	103	硫酸二乙酯	64-67-5	0.050
VIII	104	邻苯二甲酸二异戊酯	605-50-5	0.050
VIII	105	硫酸二甲酯	77-78-1	0.050
VIII	106	地乐酚	88-85-7	0.050
VIII	107	双(十八酸基)二氧代三铅*	12578-12-0	0.005
VIII	108	C16-18-脂肪酸铅*	91031-62-8	0.005
VIII	109	呋喃	110-00-9	0.050
VIII	110	全氟十一烷酸	2058-94-8	0.050
VIII	111	全氟十四烷酸	376-06-7	0.050
VIII	112	甲基六氢邻苯二甲酸酐,4-甲基六氢邻苯二甲酸酐, 1-甲基六氢邻苯二甲酸酐,3-甲基六氢邻苯二甲酸酐	-	0.050
VIII	113	四氟硼酸铅*	13814-96-5	0.005
VIII	114	氨基氰铅盐*	20837-86-9	0.005
VIII	115	硝酸铅*	10099-74-8	0.005

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VIII	116	一氧化铅*	1317-36-8	0.005
VIII	117	碱式硫酸铅*	12036-76-9	0.005
VIII	118	四氧化三铅*	1314-41-6	0.005
VIII	119	钛酸铅*	12060-00-3	0.005
VIII	120	钛酸铅锆*	12626-81-2	0.005
VIII	121	甲氧基乙酸	625-45-6	0.050
VIII	122	1,2-环氧丙烷	75-56-9	0.050
VIII	123	N,N-二甲基甲酰胺	68-12-2	0.050
VIII	124	N-甲基乙酰胺	79-16-3	0.050
VIII	125	邻苯二甲酸正戊基异戊基酯	776297-69-9	0.050
VIII	126	邻-氨基偶氮甲苯	97-56-3	0.050
VIII	127	2-氨基甲苯	95-53-4	0.050
VIII	128	全氟十三烷酸	72629-94-8	0.050
VIII	129	硫酸四氧化五铅*	12065-90-6	0.005
VIII	130	铅锑黄*	8012-00-8	0.005
VIII	131	掺杂铅的硅酸钡*	68784-75-8	0.005
VIII	132	硅酸铅*	11120-22-2	0.005
VIII	133	二碱式亚硫酸铅*	62229-08-7	0.005
VIII	134	四乙基铅*	78-00-2	0.005
VIII	135	硫酸三氧化四铅*	12202-17-4	0.005
VIII	136	全氟十二烷酸	307-55-1	0.050
VIII	137	碱式碳酸铅*	1319-46-6	0.005
VIII	138	二碱式亚磷酸铅*	12141-20-7	0.005
IX	139	4-壬基(支链与直链)苯酚乙氧基醚	-	0.050
IX	140	全氟辛酸铵(APFO)**	3825-26-1	0.050
IX	141	氧化镉*	1306-19-0	0.005
IX	142	镉	7440-43-9	0.005
IX	143	邻苯二甲酸二正戊酯(DPP)	131-18-0	0.050
IX	144	全氟辛酸(PFOA)	335-67-1	0.050
X	145	硫化镉*	1306-23-6	0.005
X	146	邻苯二甲酸二正己酯	84-75-3	0.050
X	147	C.I.直接红 28	573-58-0	0.050
X	148	C.I.直接黑 38	1937-37-7	0.050
X	149	2-巯基咪唑啉	96-45-7	0.050
X	150	乙酸铅*	301-04-2	0.005
X	151	磷酸三二甲苯酯	25155-23-1	0.050
XI	152	邻苯二甲酸二(支链与直链)己基酯	68515-50-4	0.050
XI	153	氯化镉*	10108-64-2	0.005
XI	154	水合过硼酸钠*	-	0.005
XI	155	过硼酸钠*	7632-04-4	0.005
XII	156	2-(2H-苯并三唑-2-基)-4,6-二叔戊基苯酚 (UV-328)	25973-55-1	0.050

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批次	序号	物质名称	CAS No.	RL (%)
XII	157	2-苯并三唑-2-基-4,6-二叔丁基苯酚 (UV-320)	3846-71-7	0.050
XII	158	二正辛基-双(2-乙基己基巯基乙酸酯)锡 (DOTE)	15571-58-1	0.050
XII	159	氟化镉*	7790-79-6	0.005
XII	160	硫酸镉*	10124-36-4 /31119-53-6	0.005
XII	161	二正辛基-双(2-乙基己基巯基乙酸酯)锡(DOTE)和单辛基-三(2-乙基己基巯基乙酸酯)锡(MOTE)的反应物	-	0.050
XIII	162	1,2-苯二甲酸, 二(C6-10)烷基酯 / 1,2-苯二甲酸, 混合二己二辛二癸酯, 其中邻苯二甲酸二己酯含量≥0.3％	-	0.050
XIII	163	5-二级丁基-2-(2,4-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[1]，5-二级丁基-2-(4,6-二甲基环己-3-烯-1-基)-5-甲基-1,3-二恶烷[2] [任何[1]和[2]或者其任意组合的单独异构体或其任何组合]	-	0.050
XIV	164	1,3-丙磺酸内酯	1120-71-4	0.050
XIV	165	2,4-二叔丁基-6-(5-氯苯并三唑-2-基）苯酚 (UV-327)	3864-99-1	0.050
XIV	166	2-(2H-苯并三唑-2-基)-4-(叔丁基)-6-(仲丁基)苯酚 (UV-350)	36437-37-3	0.050
XIV	167	硝基苯	98-95-3	0.050
XIV	168	全氟壬酸及其钠盐和铵盐	-	0.050
XV	169	苯并(a)芘	50-32-8	0.050
XVI	170	4,4'-异亚丙基联苯酚(双酚 A)	80-05-7	0.050
XVI	171	4-庚基(支链与直链)苯酚	-	0.050
XVI	172	全氟癸酸(PFDA)及其钠盐和铵盐	-	0.050
XVI	173	对叔戊基苯酚	80-46-6	0.050
XVII	174	全氟己烷-1-磺酸及其盐	-	0.050
XVIII	175	双(六氯环戊二烯)环辛烷(包含任何顺式与反式同分异构体或其组合)	-	0.050
XVIII	176	苯并蒽(BaA)	56-55-3	0.050
XVIII	177	硝酸镉*	10325-94-7	0.005
XVIII	178	碳酸镉*	513-78-0	0.005
XVIII	179	氢氧化镉*	21041-95-2	0.005
XVIII	180	䓛(CHR)	218-01-9	0.050
XVIII	181	1,3,4-噻二唑-2,5-二硫酮、甲醛与支链和直链4-庚基苯酚的反应产物(RP-HP)[含有支链和直链 4-庚基苯酚重量比≥0.1%]	-	0.050
XIX	182	1,2,4-苯三酸酐(偏苯三酸酐)(TMA)	552-30-7	0.050
XIX	183	苯并(g,h,i)苝(二萘嵌苯)(BPE)	191-24-2	0.050
XIX	184	十甲基环五硅氧烷(D5)	541-02-6	0.050
XIX	185	邻苯二甲酸二环己酯(DCHP)	84-61-7	0.050
XIX	186	氧化硼钠*	12008-41-2	0.005

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XIX	187	十二甲基环六硅氧烷(D6)	540-97-6	0.050
XIX	188	乙二胺(EDA)	107-15-3	0.050
XIX	189	铅	7439-92-1	0.005
XIX	190	八甲基环四硅氧烷(D4)	556-67-2	0.050
XIX	191	氢化三联苯	61788-32-7	0.050
XX	192	1,7,7-三甲基-3-(苯基亚甲基)双环[2.2.1]庚-2-酮(3-亚苄基樟脑)	15087-24-8	0.050
XX	193	4,4'-(1,3-二甲基丁基)二苯酚(1,3-DMBBP)	6807-17-6	0.050
XX	194	苯并(k)荧蒽(BkF)	207-08-9	0.050
XX	195	荧蒽(FLT)	206-44-0	0.050
XX	196	菲(PHE)	85-01-8	0.050
XX	197	芘(PYR)	129-00-0	0.050
XXI	198	2,3,3,3-四氟-2-(七氟丙氧基)丙酸及其盐和酰基卤化物(包括单体和组合)(HFPO-DA)	-	0.050
XXI	199	2-甲氧基乙基乙酸酯	110-49-6	0.050
XXI	200	4-叔丁基苯酚(PTBP)	98-54-4	0.050
XXI	201	三(4-壬基苯基，支链和直链)亚磷酸酯(TNPP)(含≥0.1%的支链和直链 4-壬基苯酚)	-	0.050
XXII	202	2-苄基-2-二甲基氨基-4'-吗啉基苯基丁酮	119313-12-1	0.050
XXII	203	2-甲基-1-(4-甲硫基苯基)-2-吗啉基-1-丙酮	71868-10-5	0.050
XXII	204	邻苯二甲酸二异己酯	71850-09-4	0.050
XXII	205	全氟丁烷磺酸及其盐	-	0.050
XXIII	206	1-乙烯基咪唑	1072-63-5	0.050
XXIII	207	2-甲基咪唑	693-98-1	0.050
XXIII	208	对羟基苯甲酸丁酯	94-26-8	0.050
XXIII	209	双(乙酰丙酮基)二丁基锡**	22673-19-4	0.050
XXIV	210	四乙二醇二甲醚	143-24-8	0.050
XXIV	211	二月桂酸二辛基锡及任何其他二辛基锡双(脂肪酰氧基)衍生物**	-	0.050
XXV	212	1,4-二氧六环	123-91-1	0.050
XXV	213	二溴新戊二醇(BMP); 三溴新戊醇(TBNPA); 2,3-二溴-1-丙醇(2,3-DBPA)	-	0.050
XXV	214	铃兰醛及其立体异构体	-	0.050
XXV	215	双酚 B	77-40-7	0.050
XXV	216	戊二醛	111-30-8	0.050
XXV	217	中链氯化石蜡(MCCP)	-	0.050
XXV	218	原硼酸钠盐*	13840-56-7	0.005
XXV	219	对十二烷基苯酚及其异构体(PDDP)	-	0.050
XXVI	220	(±)-1,7,7-三甲基-3-[(4-甲基苯基)亚甲基]二环[2.2.1]庚-2-酮，包括各个异构体和/或其组合(4-MBC)	-	0.050
XXVI	221	2,2'-亚甲基双-(4-甲基-6-叔丁基苯酚) (DBMC)	119-47-1	0.050

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(SVHC)

批次	序号	物质名称	CAS No.	RL (%)
XXVI	222	S-(三环[5.2.1.0'2,6]癸-3-烯-8(或 9)-基) O-(异丙基或异丁基或 2-乙基己基) O-(异丙基或异丁基或 2-乙基己基)二硫代磷酸酯	255881-94-8	0.050
XXVI	223	乙烯基-三(2-甲氧基乙氧基)硅烷	1067-53-4	0.050
XXVII	224	N-羟甲基丙烯酰胺	924-42-5	0.050
XXVIII	225	1,2-双(2,4,6-三溴苯氧基)乙烷	37853-59-1	0.050
XXVIII	226	四溴双酚 A	79-94-7	0.050
XXVIII	227	双酚 S	80-09-1	0.050
XXVIII	228	四氧化二硼钡*	13701-59-2	0.005
XXVIII	229	四溴邻苯二甲酸双(2-乙基己基)酯	-	0.050
XXVIII	230	对羟基苯甲酸异丁酯	4247-02-3	0.050
XXVIII	231	三聚氰胺	108-78-1	0.050
XXVIII	232	全氟庚酸及其盐类	-	0.050
XXVIII	233	全氟异丙基吗啉和全氟丙基吗啉混合物*	-	0.050
XXIX	234	双(4-氯苯基)砜	80-07-9	0.050
XXIX	235	二苯基(2,4,6-三甲基苯甲酰基)氧化膦	75980-60-8	0.050
XXX	236	2,4,6-三叔丁基苯酚	732-26-3	0.050
XXX	237	2-(2'-羟基-5'-叔辛基苯基)苯并三唑 (UV-329)	3147-75-9	0.050
XXX	238	2-(4-甲基苄基)-2-(二甲基氨基)-1-(4-吗啉苯基)-1-丁酮 (PI-379)	119344-86-4	0.050
XXX	239	布美三唑 (UV-326)	3896-11-5	0.050
XXX	240	2-苯基丙烯与苯酚的低聚和烷基化反应产物	-	0.050
XXXI	241	过氧化二异丙苯	80-43-3	0.050
/	242	6-[(C10-C13)-烷基-(支链, 不饱和)-2,5-二氧代吡咯烷-1-基]己酸	2156592-54-8	0.050
/	243	O,O,O-三苯基硫代磷酸酯	597-82-0	0.050
/	244	八甲基三硅氧烷	107-51-7	0.050
/	245	全氟三丙胺	338-83-0	0.050
/	246	三苯基硫代磷酸酯和叔丁基化苯基衍生物的反应产物	192268-65-8	0.050
/	247	三(4-壬基苯基，支链)亚磷酸酯	-	0.050
/	248	磷酸三苯酯	115-86-6	0.050
/	249	间苯二酚	108-46-3	0.050
/	250	甲基三(三甲基硅氧烷基)硅烷	17928-28-8	0.050
/	251	七甲基三硅氧烷	1873-88-7	0.050
/	252	十甲基四硅氧烷	141-62-8	0.050
/	253	十二甲基五硅氧烷	141-63-9	0.050
/	254	六甲基二硅氧烷	107-46-0	0.050
/	255	铬酸钡*	10294-40-3	0.005

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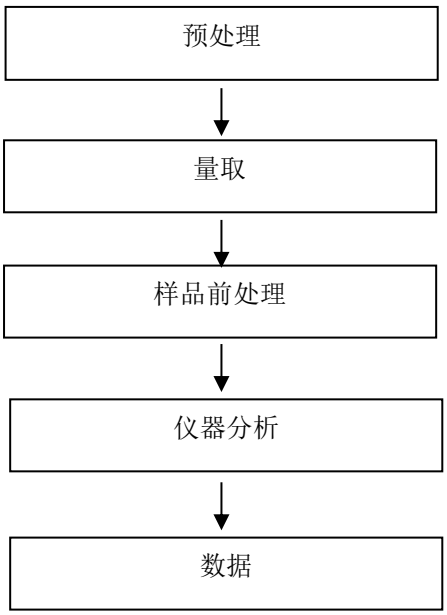
附件

检测流程图



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样品照片：

CAN24-0240151-0001.C001

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客户名称： 深圳市乾盛达科技有限公司

客户地址： 广东省中山市南朗镇侨光工业园 11 栋

样品名称： SOT-89

客户参考信息： 适用于：SOT-23/SOT-323/SOT-353/SOT-363/SOT-563/SOT-553/SOT-723/SOT-523/SOT23-3/SOT23-5/SOT23-6/PDFN3*3-8L/PDFN5*6-8L/DFN3*3/DFN-2*2/TOLL8/TO-252/TO-252-4

以上样品及信息由客户提供。

SGS 工作编号： GZP24-034941

样品接收时间： 2024 年 11 月 01 日

检测周期： 2024 年 11 月 01 日 ~ 2024 年 11 月 07 日

检测要求： 根据客户要求检测

检测方法： 见后续页。

检测结果： 见后续页。

总结：

470 项全氟和多氟烷基化合物 (PFAS) 含量	通过

通标标准技术服务有限公司广州分公司
授权签名

Dongyu Xie 谢冬育
批准签署人

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检测样品：

检测部件外观描述:

样品序号	样品编号	SGS 样品 ID	样品描述
SN1	A1	CAN24-0240151-0001.C001	"SOT-89"

470 项全氟和多氟烷基化合物 (PFAS) 含量

检测方法：
优化的 EN 17681-1:2022 和 EN 17681-2:2022, 采用 LC-MS 或 LC-MS/MS 和 GC-MS 进行分析。

检测结果：（PFAS 清单中的物质）

物质名称	CAS No.	A1 浓度 (mg/kg)	MDL (mg/kg)
所有检测清单中的 PFAS	-	ND	-

备注：
(1) 上表仅显示检测到的 PFAS，未报告低于 MDL 的 PFAS。有关已测试的 PFAS 的完整清单，请参阅附录。
(2) MDL= 方法检出限
ND = 未检出(低于 MDL)
(3) 基于客户的检测要求，禁用目标 PFAS。如果 PFAS 被检出，建议参考相关的法规确认 PFAS 的对应要求。
(4) ^=物质是指附录中列出的盐/衍生物。
除非另有说明，参照 ILAC-G8:09/2019，使用简单接受（*w*=0）的二元判定规则进行符合性判定。
除非另有说明，此报告结果仅对检测的样品负责。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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附录：

1. 附录：PFAS 及其盐类和衍生物清单

No.	组名	物质名称	CAS No.	MDL (mg/kg)
1	PFOS, 及其盐&衍生物	全氟辛烷磺酸(PFOS)	1763-23-1	0.010
2		全氟辛基磺酸钾(PFOS-K)	2795-39-3	--
3		全氟辛基磺酸锂(PFOS-Li)	29457-72-5	--
4		全氟辛基磺酸钠(PFOS-Na)	4021-47-0	--
5		全氟辛基磺酸铵(PFOS-NH_4)	29081-56-9	--
6		全氟辛基磺酸二乙醇铵(PFOS-$NH_2(C_2H_4OH)_2$)	70225-14-8	--
7		全氟辛基磺酸四乙基铵(PFOS-$N(C_2H_5)_4$)	56773-42-3	--
8		全氟辛基磺酸二癸二甲基铵(PFOS-$N(C_{10}H_{21})_2(CH_3)_2$)	251099-16-8	--
9		全氟辛基磺酸四丁基铵(PFOS-$N(C_4H_9)_4$)	111873-33-7	--
10		全氟辛基磺酰氟(PFOS-F)	307-35-7	--
11		双[十七氟辛烷磺酸]镁(PFOS-Mg)	91036-71-4	--
12		全氟辛烷磺酸哌啶	71463-74-6	--
13		全氟辛烷磺酸盐	45298-90-6	--
14		全氟辛烷磺酸三乙基铵(PFOS-$N(C_2H_5)_3$)	54439-46-2	--
15		全氟辛烷磺酸四甲基铵(PFOS-$N(CH_3)_4$)	56773-44-5	--
16		N, N,N-三丙基戊烷-1-七氟辛烷-1-磺酸铵(PFOS-$N(C_3H_7)_3(C_5H_{11})$)	56773-56-9	--
17		N,N-二丁基-N-甲基丁烷-1-胺十七氟辛烷-1-磺酸酯(PFOS-$N(C_4H_9)_3(CH_3)$)	124472-68-0	--
18		双[4-(1,1-二甲基乙基)苯基]-碘鎓与全氟-1-辛烷磺酸的盐(1:1)	213740-80-8	--
19		全氟-1-辛烷磺酸二苯基(2,4,6-三甲基苯基)锍	258341-99-0	--
20		全氟-1-辛烷磺酸 1-十六烷基吡啶鎓	334529-63-4	--
21		N,N,N-三乙基癸-1-胺十七氟辛烷-1-磺酸盐	773895-92-4	--
22		全氟辛烷磺酸四丁基鏻 (PFOS-P $(C_4H_9)_4$))	2185049-59-4	--
23		全氟辛基磺酸二乙胺 (PFOS-$C_4H_{11}N$)	2205029-08-7	--
24		全氟辛基磺酸庚基二甲基-[2-(2-甲基丙-2-烯酰氧基)乙基]胺 (PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3	--
25		全氟辛基磺酸酐(PFOSAN)	423-92-7	--
26	FOSAA, 及其盐	N-(全氟-1-辛烷磺酰基)甘氨酸(FOSAA)	2806-24-8	0.010
27		全氟辛烷磺酰氨基乙酸盐 (FOSAA(anion))	909405-47-6	--
28		全氟辛烷磺酰氨基乙酸钾 (FOSAA-K)	75260-69-4	--
29		全氟辛烷磺酰氨基乙酸钠 (FOSAA-Na)	115716-87-5	--
30		N-甲基-N-(全氟-1-辛烷磺酰基)甘氨酸 (N-MeFOSAA)	2355-31-9	0.010

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(PFAS)

No.	组名	物质名称	CAS No.	MDL (mg/kg)
31	N-MeFOSAA, 及其盐	N-(十七氟辛基磺酰基)-N-甲基甘氨酸盐 (N-Me-FOSAA(anion))	909405-48-7	--
32		N-(十七氟辛基磺酰基)-N-甲基甘氨酸钾 (N-Me-FOSAA-K)	70281-93-5	--
33	N-EtFOSAA, 及其盐	N-乙基-N-(全氟-1-辛烷磺酰基)甘氨酸(N-EtFOSAA)	2991-50-6	0.010
34		N-乙基-N-[(十七烷氟辛基)磺酰基]-甘氨酸钾盐 (N-Et-FOSAA-K)	2991-51-7	--
35		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸盐 (N-Et-FOSAA(anion))	909405-49-8	--
36		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸铵 (N-Et-FOSAA-NH_4)	2991-52-8	--
37		N-乙基-N-((十七氟辛基)磺酰基)甘氨酸钠 (N-Et-FOSAA-Na)	3871-50-9	--
38	--	N-乙基全氟辛烷磺酰胺(N-EtFOSA)	4151-50-2	0.010
39	--	N-甲基全氟辛烷磺酰胺(N-MeFOSA)	31506-32-8	0.010
40	--	2-(N-乙基全氟辛基磺酰胺)乙醇(N-EtFOSE)	1691-99-2	0.010
41	--	2-(N-甲基全氟辛基磺酰胺)乙醇(N-MeFOSE)	24448-09-7	0.010
42	PFOSA, 及其盐	全氟辛基磺酰胺(PFOSA)	754-91-6	0.010
43		全氟辛基磺酰胺锂盐(1:1)(PFOSA-Li)	76752-79-9	--
44		全氟辛基磺酰胺钠盐 (1:1) (PFOSA-Na)	76752-78-8	--
45		全氟辛基磺酰胺钾盐 (1:1) (PFOSA-K)	76752-70-0	--
46		全氟辛基磺酰胺铵盐 (1:1) (PFOSA-NH_4)	76752-72-2	--
47		全氟辛基磺酰胺三乙胺 (PFOSA-$C_6H_{15}N$)	76752-82-4	--
48	PFOA, 及其盐&衍生物	全氟辛酸(PFOA)	335-67-1	0.010
49		全氟辛酸钠(PFOA-Na)	335-95-5	--
50		全氟辛酸钾(PFOA-K)	2395-00-8	--
51		全氟辛酸银(PFOA-Ag)	335-93-3	--
52		全氟辛酰氟(PFOA-F)	335-66-0	--
53		全氟辛酸铵(APFO)	3825-26-1	--
54		全氟辛酸锂(PFOA-Li)	17125-58-5	--
55		全氟辛酸钴(PFOA-Co)	35965-01-6	--
56		全氟辛酸铯(PFOA-Cs)	17125-60-9	--
57		全氟辛酸铬(3+) (PFOA-Cr(3+))	68141-02-6	--
58		全氟辛酸-哌嗪(2:1) (PFOA-NH($C_4H_{10}N$))	423-52-9	--
59		全氟辛酸盐	45285-51-6	--
60		全氟辛酸酐	33496-48-9	--
61		全氟辛酸四乙基胺	98241-25-9	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
62		全氟辛酸四甲基胺	32609-65-7	--
63		全氟辛酸四丙基胺	277749-00-5	--
64		全氟辛酸钾水合物 (PFOA-K(H_2O)$_2$)	98065-31-7	--
65		全氟辛酸乙胺 (PFOA-C_2H_7N)	1376936-03-6	--
66		全氟辛酸吡啶 (PFOA-C_5H_5N)	95658-47-2	--
67		全氟辛酸苯基哌嗪 (PFOA-$C_{10}H_{14}N_2$)	1514-68-7	--
68		全氟辛酸辛基三甲基铵 (PFOA-$C_{11}H_{26}N$)	927835-01-6	--
69	8:2 FTS, 及其盐	1H,1H,2H,2H-全氟癸烷磺酸(8:2 FTS)	39108-34-4	0.010
70		1H,1H,2H,2H-全氟癸磺酸钾(8:2 FTS-K)	438237-73-1	--
71		1H,1H,2H,2H-全氟癸磺酸铵(8:2 FTS-NH_4)	149724-40-3	--
72		1H,1H,2H,2H-全氟癸磺酸钠(8:2 FTS-Na)	27619-96-1	--
73		1H,1H,2H,2H-全氟癸磺酸盐 (8:2 FTS(anion))	481071-78-7	--
74	--	全氟辛酸甲酯(Me-PFOA)	376-27-2	0.200
75	--	全氟辛酸乙酯(Et-PFOA)	3108-24-5	0.200
76	--	1H,1H,2H,2H-全氟癸基丙烯酸酯(8:2 FTA)*	27905-45-9	0.100
77	--	1H,1H,2H,2H-甲基丙烯酸全氟癸酯(8:2 FTMA)*	1996-88-9	0.100
78	--	全氟辛基碘烷(PFOI)	507-63-1	0.200
79	8:2 FTCA, 及其盐	2H,2H-全氟癸酸(8:2 FTCA)	27854-31-5	0.010
80		四丁基磷 2H,2H-全氟癸酸酯(8:2 FTCA-P(C_4H_9)$_4$)	882489-14-7	--
81	--	1H,1H,2H,2H-全氟-1-癸醇(8:2 FTOH)	678-39-7	0.100
82	--	1-碘-1H,1H,2H,2H-全氟癸烷(8:2 FTI)*	2043-53-0	0.100
83	--	1H,1H,2H,2H-全氟癸基三乙氧基硅烷(8:2 FTSi(OC_2H_5)$_3$)*	101947-16-4	0.100
84	8:2diPAP, 及其盐	双[2-(全氟辛基)]乙基磷酸酯(8:2diPAP)	678-41-1	0.010
85		双[2-(全氟辛基)]乙基磷酸酯钠(8:2diPAP-Na)	114519-85-6	--
86		双(2-羟乙基)铵双(全氟辛基)乙基)磷酸氢	57677-97-1	--
87		双[2-(全氟辛基)]乙基磷酸酯铵盐(8:2 diPAP-NH_4)	93776-20-6	--
88		8:2 氟调聚物磷酸二酯离子	1411713-91-1	--
89	8:3 FTCA, 及其盐	2H,2H,3H,3H-全氟十一烷酸(8:3 FTCA)	34598-33-9	0.010
90		2H,2H,3H,3H-全氟十一烷酸钾(8:3 FTCA-K)	83310-58-1	--
91		2H,2H,3H,3H-全氟十一酸锂(8:3 FTCA-Li)	67304-23-8	--
92	--	全氟辛基乙烯(PFDE)*	21652-58-4	0.100
93	--	3-全氟庚基丙酸(7:3 FTCA)	812-70-4	0.010
94	--	1H,1H,2H,2H-全氟癸基三氯硅烷*	78560-44-8	0.100
95	--	1H,1H,2H,2H-全氟癸基三甲氧基硅烷*	83048-65-1	
96	--	2H-全氟-2-癸烯酸(8:2 FTUCA)	70887-84-2	0.010

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97	--	6:8 全氟次膦酸(6:8 PFPi)	610800-34-5	0.010
98	8:8 PFPi,及其盐	8:8 全氟次膦酸 (8:8 PFPi)	40143-79-1	0.010
99		8:8 全氟次膦酸钠盐 (8:8 PFPi-Na)	500776-69-2	--
100		8:8 全氟次膦酸铒(3+)盐 (8:8 PFPi-Er)	500776-70-5	--
101		8:8 全氟次膦酸镱(3+)盐 (8:8 PFPi-Yb)	500776-71-6	--
102	--	1H,1H,2H,2H-全氟十二烷基乙酸酯 (8:2 FTOAc)*	37858-04-1	0.100
103	8:2 monoPAP, 及其盐	单[2-(全氟辛基)乙基]磷酸盐 (8:2 monoPAP)	57678-03-2	0.100
104		8:2 氟调聚物磷酸二铵盐	93857-44-4	--
105		8:2 氟调聚物磷酸钠盐	438237-75-3	--
106		双[2-(全氟辛基)乙基]磷酸铵盐	1764-95-0	--
107		单[2-(全氟辛基)乙基]磷酸铵盐	92401-44-0	--
108		单[2-(全氟辛基)乙基]磷酸单钠盐	144965-22-0	--
109		单[2-(全氟辛基)乙基]磷酸单钾盐	150033-28-6	--
110		单[2-(全氟辛基)乙基]磷酸氢铵盐	2353-52-8	--
111	PFNA, 及其盐	全氟壬酸(PFNA)	375-95-1	0.010
112		全氟壬酸钠(PFNA-Na)	21049-39-8	--
113		全氟壬酸铵(PFNA-NH_4)	4149-60-4	--
114		全氟壬酸钾(PFNA-K)	21049-38-7	--
115		全氟壬酸锂(PFNA-Li)	60871-92-3	--
116		全氟壬酸银(PFNA-Ag)	7358-16-9	--
117		全氟壬酸甲烷铵(PFNA-$NH_3(CH_3)$)	77032-23-6	--
118		全氟壬酸-N-乙基乙胺(1:1) (PFNA-$NH_2(C_2H_5)_2$))	77032-27-0	--
119		全氟壬酸-N-甲基甲胺(1:1) (PFNA-$NH_2(CH_3)_2$)	77032-24-7	--
120		全氟壬酸-N，N-二乙基乙酰胺(1:1) (9Cl) (PFNA-$NH(C_2H_5)_3$))	327176-80-7	--
121		全氟壬酸-哌啶(1:1) (9Cl) (PFNA-$NH_2(C_5H_{10})$)	95682-66-9	--
122		全氟壬酸-苯胺(1:1) (PFNA-$NH_3(C_6H_5)$)	95682-67-0	--
123		全氟壬酸-环己胺(1:1) (9Cl) ((PFNA-$NH_3(C_6H_{11})$)	328531-06-2	--
124		全氟壬酸盐	72007-68-2	--
125		全氟壬酸磺胺甲氧基哒嗪(PFNA-$C_{11}H_{12}N_4O_3S$)	298703-33-0	--
126		全氟壬酸酐(PFNAA)	228407-54-3	--
127	PFDA, 及其盐	全氟癸酸(PFDA)	335-76-2	0.010
128		全氟癸酸钠(PFDA-Na)	3830-45-3	--
129		全氟癸酸铵(PFDA-NH_4)	3108-42-7	--
130		全氟癸酸钾(PFDA-K)	51604-85-4	--
131		全氟癸酸银(PFDA-Ag)	5784-82-7	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
132		全氟癸酸锂(PFDA-Li)	84743-32-8	--
133		全氟癸酸盐	73829-36-4	--
134		全氟癸酸酐 (PFDAA)	942199-24-8	--
135	PFUnDA, 及其盐	全氟十一烷酸(PFUnDA)	2058-94-8	0.010
136		全氟十一烷酸钠(PFUnDA-Na)	60871-96-7	--
137		全氟十一烷酸铵(PFUnDA-NH_4)	4234-23-5	--
138		全氟十一烷酸钾(PFUnDA-K)	30377-53-8	--
139		全氟十一烷酸钙(PFUnDA-Ca)	97163-17-2	--
140		全氟十一烷酸盐	196859-54-8	--
141	PFDoDA, 及其盐	全氟十二烷酸(PFDoDA)	307-55-1	0.010
142		全氟十二烷铵(PFDoDA-NH_4)	3793-74-6	--
143		全氟十二烷酸盐	171978-95-3	--
144	PFTrDA, 及其盐	全氟十三烷酸(PFTrDA)	72629-94-8	0.010
145		全氟十三烷酸铵(PFTrDA-NH_4)	4288-72-6	--
146		全氟十三烷酸钠(PFTrDA -Na)	60872-01-7	--
147		全氟十三烷酸盐	862374-87-6	--
148	PFTDA, 及其盐	全氟十四烷酸(PFTDA)	376-06-7	0.010
149		全氟十四烷酸盐	365971-87-5	--
150	--	全氟-3,7-二甲基辛酸(PF-3,7-DMOA)	172155-07-6	0.010
151	PFDS, 及其盐	全氟癸烷磺酸(PFDS)	335-77-3	0.010
152		全氟癸烷磺酸钠(PFDS-Na)	2806-15-7	--
153		全氟癸烷磺酸钾(PFDS-K)	2806-16-8	--
154		全氟癸基磺酸铵(PFDS-NH_4)	67906-42-7	--
155		全氟癸基磺酸盐	126105-34-8	--
156		全氟癸烷磺酸酐 (PFDSA)	51667-62-0	--
157	--	1H,1H,2H,2H-全氟-1-十二烷醇(10:2 FTOH)	865-86-1	0.100
158	--	1H,1H,2H,2H-全氟十二烷基丙烯酸酯(10:2 FTA)*	17741-60-5	0.100
159	--	2-(全氟癸基)甲基丙烯酸乙酯(10:2 FTMA)*	2144-54-9	0.100
160	--	1,1,2,2-四氢全氟-1-十四醇(12:2 FTOH)	39239-77-5	0.100
161	10:2 FTS, 及其盐	1H,1H,2H,2H-全氟十二烷磺酸(10:2 FTS)	120226-60-0	0.010
162		1H,1H,2H,2H-全氟十二烷磺酸钠 (10:2 FTS-Na)	108026-35-3	--
163	--	全氟癸基乙基碘(10:2 FTI)*	2043-54-1	0.100
164	--	1H,1H,2H,2H-全氟四环碘化物(12:2 FTI)*	30046-31-2	0.100
165	PFNS, 及其盐	全氟壬烷磺酸(PFNS)	68259-12-1	0.010
166		全氟壬烷磺酸钠(PFNS-Na)	98789-57-2	--
167		全氟壬烷磺酸铵(PFNS-NH_4)	17202-41-4	--

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168		全氟壬烷磺酸钾(PFNS-K)	29359-39-5	--
169		全氟壬烷磺酸盐	474511-07-4	--
170	PFUnDS, 及其盐	全氟十一烷磺酸(PFUnDS)	749786-16-1	0.010
171		全氟十一烷磺酸盐	441296-91-9	--
172	PFDoDS, 及其盐	全氟十二烷磺酸(PFDoDS)	79780-39-5	0.010
173		全氟十二烷磺酸钠(PFDoDS-Na)	1260224-54-1	--
174		全氟十二烷磺酸钾(PFDoDS-K)	85187-17-3	--
175		全氟十二烷磺酸盐	343629-43-6	--
176	PFTrDS, 及其盐	全氟十三烷磺酸(PFTrDS)	791563-89-8	0.010
177		全氟十三烷磺酸钠(PFTrDS-Na)	174675-49-1	--
178	10:2 diPAP, 及其盐	双[2-(全氟癸基)乙基]磷酸盐(10:2 diPAP)	1895-26-7	0.100
179		2,2'-亚氨基二乙醇双[2-(全氟癸基)乙基]磷酸盐(10:2 diPAP-$C_4H_{11}O_2$)	57677-98-2	--
180	--	1-碘全氟癸烷(PFDI)*	423-62-1	0.100
181	--	全氟碘代十二烷(PFDoDI)*	307-60-8	0.100
182	--	2H-全氟-2-十二烯酸(10:2 FTUCA)	70887-94-4	0.010
183	--	2-全氟癸基乙酸(10:2 FTCA)	53826-13-4	0.010
184	--	1H,1H,2H,2H-全氟癸基乙酸酯 (10:2 FTOAc)*	37858-05-2	0.100
185	PFHxS, 及其盐&衍生物	全氟己基磺酸(PFHxS)	355-46-4	0.010
186		全氟己基磺酸钠(PFHxS-Na)	82382-12-5	--
187		全氟己基磺酸钾(PFHxS-K)	3871-99-6	--
188		全氟己基磺酸锂(1:1)(PFHxS-Li)	55120-77-9	--
189		全氟己基磺酸铵(PFHxS-NH_4)	68259-08-5	--
190		全氟己基磺酸三苯基(苯基甲基)-磷鎓盐(PFHxS-BTPP)	1000597-52-3	--
191		N,N,N-三丁基丁烷-1-胺全氟己基磺酸盐(PFHxS-$N(C_4H_9)_4$)	108427-54-9	--
192		N, N,N-三乙基乙胺全氟己基磺酸盐(PFHxS-$N(C_2H_5)_4$)	108427-55-0	--
193		全氟己基磺酸与四氢吡咯络合物(PFHxS-NC_4H_9)	1187817-57-7	--
194		全氟-1-己基磺酸-N-[4-[[4-(二乙基氨基)苯基][4-(乙基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-乙基-乙铵盐(PFHxS-$(NC_{10}H_{14})_3C_5H_4$)	1310480-24-0	--
195		全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(乙基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-$(NC_8H_{10})_2C_{13}H_{12}$)	1310480-27-3	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
196		全氟-1-己基磺酸-N-[4-[[4-(二甲基氨基)苯基][4-(苯基氨基)-1-萘基]亚甲基]-2,5-环己二烯-1-亚基]-N-甲基-甲基铵盐(PFHxS-$(NC_8H_{10})_2C_{17}H_{12}$)	1310480-28-4	--
197		全氟己基磺酸与 β-环糊精络合物(PFHxS-$C_{42}H_{70}O_{35}$)	1329995-45-0	--
198		全氟己基磺酸与 γ-环糊精络合物(PFHxS-$C_{48}H_{80}O_{40}$)	1329995-69-8	--
199		全氟己基磺酸三苯基硫鎓盐(TPS-PFHxS)	144116-10-9	--
200		全氟己基磺酸喹啉, 1-(羧甲基)-4-[2-[4-[4-(2,2-二苯基噻吩基)苯基]-1,2,3a,4,8b-六氢环戊并[b]吲哚-7-基]乙烯基]盐(PFHxS-$C_{44}H_{37}N_2O_2$)	1462414-59-0	--
201		全氟己基磺酸二苯基碘鎓盐(PFHxS-$I(C_6H_5)_2$)	153443-35-7	--
202		N,N,N-三甲基-全氟己基磺酸甲基铵盐(PFHxS-TMA)	189274-31-5	--
203		全氟己基磺酸与 2-甲基-2-丙胺络合物(1:1)(PFHxS-$NH_2(CH_3)_3$)	202189-84-2	--
204		全氟己基磺酸双[4-(1,1-二甲基乙基)苯基]碘鎓盐(PFHxS-$I(C_6H_4)_2(C_4H_9)_2$)	213740-81-9	--
205		全氟己基磺酸镓(9CI)(PFHxS-Ga)	341035-71-0	--
206		全氟己基磺酸双(4-甲基苯基)苯基硫鎓盐(1:1)(PFHxS-$S(C_7H_7)_2C_6H_5$)	341548-85-4	--
207		全氟己基磺酸钪(PFHxS-Sc)	350836-93-0	--
208		全氟己基磺酸钕(PFHxS-Nd)	41184-65-0	--
209		全氟己基磺酸钇(PFHxS-Y)	41242-12-0	--
210		全氟己基磺酸(硫代二-4,1-亚苯基)双[二苯基]硫鎓盐(PFHxS-$S_3(C_6H_5)_4(C_6H_4)_2$)	421555-73-9	--
211		全氟己基磺酸双[4-(1,1-二甲基丙基)苯基]碘鎓盐(PFHxS-$I(C_6H_4)_2(C_5H_{11})_2$)	421555-74-0	--
212		全氟己基磺酰氟(PFHxS-F)	423-50-7	--
213		全氟己基磺酸三[4-(1,1-二甲基乙基)苯基]硫鎓盐(PFHxS-$S(C_6H_4)_3(C_4H_9)_3$)	425670-70-8	--
214		全氟己基磺酸锌(PFHxS-Zn)	70136-72-0	--
215		全氟己基磺酸与 2,2'-亚氨二乙醇络合物(PFHxS-$NH(C_2H_5O)_2$)	70225-16-0	--
216		全氟己基磺酸与三乙胺络合物(1:1)(PFHxS-$N(C_2H_5)_3$)	72033-41-1	--
217		全氟己基磺酸双[(1,1-二甲基乙基)苯基]碘鎓盐(PFHxS-$I(C_6H_4)_2(C_4H_9)_2$)	866621-50-3	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
218		全氟己基磺酸(4-甲基苯基)二苯硫鎓盐(PFHxS-S(C_6H_5)$_2$$C_7H_7$)	910606-39-2	--
219		全氟己基磺酸[4-[(2-甲基-1-氧代-2-丙烯酰)氧基]苯基]二苯基硫鎓盐(PFHxS-S(C_6H_5)$_2$$C_{10}H_9O_2$)	911027-68-4	--
220		全氟己基磺酸铯(1:1)(PFHxS-Cs)	92011-17-1	--
221		二苯并[k,n][1,4,7,13]四氧杂硫环戊二烯,19-[4-(1,1-二甲基乙基)苯基]-6,7,9,10,12,13-六氢-,全氟己基磺酸盐(PFHxS-$SC_{28}H_{31}O_4$)	928049-42-7	--
222		全氟己基磺酰氯(PFHxS-Cl)	55591-23-6	--
223		PFHxS-磺酸酯聚合物	911027-69-5	--
224		全氟己基磺酸盐	108427-53-8	--
225		全氟己基磺酸四丁基鏻 (PFHxS-P(C_4H_9)$_4$))	2310194-12-6	--
226	--	N-甲基全氟-1-己磺酰胺(N-Me-PFHxSA)	68259-15-4	0.010
227	--	全氟己烷磺酰胺(PFHxSA)	41997-13-1	0.010
228	--	N-[3-(二甲基氨基)丙基]十三氟己磺酰胺(N-AP-FHxSA)	50598-28-2	0.010
229	--	2-[甲基[(十三氟己基)磺酰基]氨基]丙烯酸乙酯(N-MeFHSEA)	67584-57-0	0.200
230	--	2-[甲基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67584-61-6	0.200
231	--	2-[乙基[(十三氟己基)磺酰基]氨基]乙基甲基丙烯酸酯	67906-70-1	0.200
232	--	十三氟-N-(2-羟基乙基)-N-甲基己烷磺酰胺(MeFHxSE)	68555-75-9	0.010
233	EtFHxSAA，及其盐	N-乙基-N-[(十三氟己基)磺酰基]甘氨酸(EtFHxSAA)	68957-32-4	0.010
234		N-乙基-N-[(十三氟己基)磺酰基]甘氨酸钾(EtFHxSAA-K)	67584-53-6	--
235		N-乙基-N-((十三氟己基)磺酰基)甘氨酸钠(EtFHxSAA-Na)	68555-70-4	--
236	PFHxA, 及其盐&衍生物	全氟己酸(PFHxA)	307-24-4	0.010
237		全氟己酸铵(APFHx)	21615-47-4	--
238		全氟己酸钠(PFHxA-Na)	2923-26-4	--
239		全氟己酸钾(PFHxA-K)	3109-94-2	--
240		全氟己酰氟(PFHxA-F)	355-38-4	--
241		全氟己酸银(PFHxA-Ag)	336-02-7	--
242		全氟己酸锂(PFHxA-Li)	90430-61-8	--
243		全氟己酸酐	308-13-4	--
244		全氟己酸哌嗪(2:1)	423-47-2	--
245		全氟己酸盐	92612-52-7	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
246		全氟己酰氯(PFHxA-Cl)	335-53-5	--
247		全氟己酸己胺(PFHxA-$C_6H_{15}N$)	565225-91-4	--
248		全氟己酸苯基哌嗪(PFHxA-$C_{10}H_{14}N_2$)	985-60-4	--
249	--	1H,1H,2H,2H-全氟-1-辛醇(6:2 FTOH)	647-42-7	0.100
250	--	1H,1H,2H,2H-全氟-1-己醇(4:2 FTOH)	2043-47-2	0.400
251	--	1H,1H,2H,2H-全氟辛基丙烯酸酯(6:2 FTA)	17527-29-6	0.200
252	6:2 FTS, 及其盐	1H,1H,2H,2H-全氟辛磺酸(6:2 FTS)	27619-97-2	0.010
253		1H,1H,2H,2H-全氟辛烷磺酸钠(6:2 FTS-Na)	27619-94-9	--
254		1H,1H,2H,2H-全氟辛烷磺酸钾(6:2 FTS-K)	59587-38-1	--
255		1H,1H,2H,2H-全氟辛烷磺酸铵(6:2 FTS-NH_4)	59587-39-2	--
256		1H,1H,2H,2H-全氟辛磺酸钡(6:2 FTS-Ba)	1807944-82-6	--
257		1H,1H,2H,2H-全氟辛磺酸盐(6:2FTS(anion))	425670-75-3	--
258	--	全氟辛基三乙氧基硅烷(6:2 FTSi(OC_2H_5)$_3$)	51851-37-7	0.500
259	--	1H,1H,2H,2H-全氟辛基三氯硅烷	78560-45-9	0.200
260	--	1,1,1,2,2,3,4,5,6,6-三氟-6-碘己烷(PFHx-I)	355-43-1	0.200
261	--	1,1,1,2,2,3,4,5,6,6-三氟-8-碘酮	38550-34-4	0.200
262	--	N-[3-(二甲氨基)丙基]-3,3,4,4,5,5,6,6,7,7,8,8,8-十三氟辛烷磺酰胺 N-氧化物	80475-32-7	0.100
263	--	3,3,4,4,5,5,6,7,8,8-三氟辛酯硫氰酸	26650-09-9	0.200
264	6:2 monoPAP, 及其盐	6:2 磷酸氟调聚物单酯(6:2 monoPAP)	57678-01-0	0.100
265		6:2 磷酸氟调聚物单酯二铵盐(6:2 monoPAP-NH_4NH_4)	1000852-37-8	--
266	--	2H,2H,3H,3H-全氟壬酸(6:3 FTCA)	27854-30-4	0.100
267	--	3,3,4,4,5,6,7,7,8,8,8-三氟辛烷-1-硫醇(6:2 FTSH)	34451-26-8	0.200
268	--	1H,1H,2H,2H-全氟辛基二甲基氯硅烷(6:2 FTSiMe_2Cl)	102488-47-1	0.200
269	--	1H,1H-三氟-1-碘庚烷(6:1 FTI)	212563-43-4	0.200
270	--	4,4,5,5,6,7,8,9,9,9-三氟壬基碘化物(6:3 FTI)	89889-20-3	0.200
271	6:2 FTPA, 及其盐	全氟己基乙基膦酸(6:2 FTPA)	252237-40-4	0.100
272		全氟己基乙基膦酸钠(Cheminox FHP_2OH-Na(PFHEPA-Na))	1189052-95-6	--
273	--	十一氟正己烷-1-醇(5:1 FTOH)	423-46-1	0.200
274	--	1H,1H-全氟庚-1-醇(6:1 FTOH)	375-82-6	0.200
275	--	3-全氟己基丙醇(6:3 FTOH)	80806-68-4	0.200
276	--	3,3,4,4,5,6,7,7,7-二十氟庚烷-2-醇 (5:2 sFTOH)	914637-05-1	0.200
277	--	1-(全氟己基)辛烷 (F_6H_8)	133331-77-8	0.200
278	--	1H,1H 三氟庚胺 (6:1 $FTNH_2$)	423-49-4	0.200
279	--	2H-全氟-2-辛烯酸(6:2 FTUCA)	70887-88-6	0.010

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280	6:6 PFPi,及其盐	6:6 全氟次膦酸(6:6 PFPi)	40143-77-9	0.010
281		6:6 全氟次膦酸钠盐(6:6 PFPi-Na)	70609-44-8	--
282		6:6 全氟次膦酸镱(3+)盐(6:6 PFPi-Yb)	500776-72-7	--
283		6:6 全氟次膦酸铒(3+)盐(6:6 PFPi-Er)	500776-73-8	--
284	PFBA, 及其盐	全氟丁酸(PFBA)	375-22-4	0.010
285		七氟丁酸铵(PFBA-NH_4)	10495-86-0	--
286		七氟丁酸钠(PFBA-Na)	2218-54-4	--
287		七氟丁酸钾(PFBA-K)	2966-54-3	--
288		七氟丁酸银(PFBA-Ag)	3794-64-7	--
289		全氟丁酸锂(PFBA-Li)	4146-76-3	--
290		七氟丁酸哌嗪(1:1)	375-04-2	--
291		全氟丁酸盐	45048-62-2	--
292	PFBS, 及其盐&衍生物	全氟丁磺酸(PFBS)	375-73-5	0.010
293		全氟丁基磺酸钾(PFBS-K)	29420-49-3	--
294		全氟丁基磺酸水合物(PFBS-H_2O)	59933-66-3	--
295		九氟-1-丁烷磺酸锂(PFBS-Li)	131651-65-5	--
296		全氟丁基磺酸三苯基锍盐(TPS-PFBS)	144317-44-2	--
297		全氟丁基磺酸二甲基(苯基)锍(PFBS-$S(CH_3)_2(C_6H_5)$)	220133-51-7	--
298		全氟丁基磺酸四丁基鏻(PFBS-$P(C_4H_9)_4$)	220689-12-3	--
299		N,N,N-三乙基乙醇胺全氟丁基磺酸(PFBS-$N(C_2H_5)_4$)	25628-08-4	--
300		全氟丁基磺酰氟(PFBS-F)	375-72-4	--
301		全氟丁磺酸吗啉(PFBS-NC_4H_9O)	503155-89-3	--
302		全氟丁基磺酸镁(PFBS-Mg)	507453-86-3	--
303		全氟丁基磺酸铵(PFBS-NH_4)	68259-10-9	--
304		1-(4-丁氧基-1-萘基)四氢噻吩全氟丁基磺酸盐(PFBS-$SC_{18}H_{23}O$)	209482-18-8	--
305		全氟丁基磺酰氯(PFBS-Cl)	2991-84-6	--
306		全氟丁基磺酸钠(PFBS-Na)	60453-92-1	--
307		全氟-1-丁磺酸双(4-叔丁基苯基)碘鎓(PFBS-$I(C_6H_4)_2(C_4H_9)_2$)	194999-85-4	--
308		1,1,2,2,3,4,4,4-一氟丁烷-1-磺酸与 2,2'-亚氨基二乙醇的化合物(1:1)(PFBS-$NH(C_2H_5O)_2$)	70225-18-2	--
309		全氟丁基磺酸四丁基铵((PFBS-$N(C_4H_9)_4$))	108427-52-7	--
310		全氟丁基磺酸二苯碘((PFBS-$I(C_6H_5)_2$))	194999-82-1	--
311		全氟丁基磺酸三(4-叔丁基苯基)锍	241806-75-7	--

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312		全氟丁基磺酸(4-环己基苯基)(二苯基)锍	425670-64-0	--
313		全氟丁基磺酸 1-(1-甲基-1H-吲哚-3-基)硫醇-1-鎓	867373-18-0	--
314		全氟丁基磺酸 1-乙基-3-甲基吡啶鎓	1015420-87-7	--
315		全氟丁基磺酸 1-甲基-3-辛基咪唑鎓	905972-83-0	--
316		全氟丁基磺酸 1-己基-3-甲基咪唑鎓	1001557-05-6	--
317		全氟丁基磺酸 N,N-二甲基-N-(丙-2-基)丙-2-胺	374571-81-0	--
318		全氟丁基磺酸[4-(2-叔丁氧基-2-氧代乙氧基)苯基](二苯基) (1:1)	857285-80-4	--
319		全氟丁基磺酸 N,N-二丁基-N-甲基丁烷-1-胺(1:1)	124472-66-8	--
320		全氟丁基磺酸锌(2:1)(PFBS-Zn)	502457-69-4	--
321		全氟丁基磺酸 N,N,N-三丙基戊烷(1:1)	56773-55-8	--
322		全氟丁基磺酸四甲基铵盐 (PFBS-N$(CH_3)_4$)	25628-17-5	--
323		全氟丁烷磺酸酐	36913-91-4	
324		全氟丁基磺酸盐	45187-15-3	--
325		1-(4-丁氧基-1-萘基)九氟丁烷-1-磺酸四氢噻吩	EC: 468-770-4	--
326		全氟丁基磺酸三乙基铵	182059-38-7	--
327		N-(2-羟乙基)-N,N-二甲基-1-辛铵全氟-1-丁磺酸盐 (1:1)	334529-55-4	--
328		全氟丁基磺酸 1-十六烷基吡啶鎓	334529-62-3	--
329		全氟丁基磺酸 1-丁基吡啶鎓	334529-64-5	--
330		N-甲基-N,N-二辛基-1-辛铵全氟-1-丁磺酸盐	495417-51-1	--
331		三(4-甲基苯基)磺与全氟-1-丁磺酸的盐(1:1)	722538-68-3	--
332	PFPeA, 及其盐	全氟戊酸(PFPeA)	2706-90-3	0.010
333		全氟戊酸钠(PFPeA-Na)	2706-89-0	--
334		全氟戊酸钾(PFPeA-K)	336-23-2	--
335		全氟戊酸锂(PFPeA-Li)	198482-22-3	--
336		全氟戊酸银(PFPeA-Ag)	2795-30-4	--
337		全氟戊酸铵(PFPeA-NH_4)	68259-11-0	--
338		全氟戊酸盐	45167-47-3	--
339		全氟戊酸苄基硫脲 (PFPeA-$C_8H_{10}N_2S$)	64808-55-5	--
340		全氟戊酸酐 (PFPeAA)	308-28-1	--
341	HPFHpA, 及其盐	7H-十二氟庚酸(HPFHpA)	1546-95-8	0.010
342		7H-十二氟庚酸钠(HPFHpA-Na)	2264-25-7	--
343		7H-十二氟庚酸铵(HPFHpA-NH_4)	376-34-1	--
344		7H-十二氟庚酸盐 (HPFHpA(anion))	69681-35-2	--
345	PFHpS, 及其盐	全氟庚烷磺酸(PFHpS)	375-92-8	0.010
346		全氟庚基磺酸钠(PFHpS-Na)	21934-50-9	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
347		全氟庚基磺酸钾(PFHpS-K)	60270-55-5	--
348		全氟庚磺酸酸铵(PFHpS-NH_4)	68259-07-4	--
349		全氟庚烷磺酸锂(PFHpS-Li)	117806-54-9	--
350		全氟庚烷磺酸-双(2-羟乙基)铵(1:1)	70225-15-9	--
351		全氟庚烷磺酸盐	146689-46-5	--
352		全氟庚烷磺酸三乙基铵	72033-40-0	--
353		全氟庚烷磺酸四乙基铵	439863-97-5	--
354		全氟庚烷磺酸酐(PFHpSA)	140429-92-1	--
355	PFHpA, 及其盐	全氟庚酸(PFHpA)	375-85-9	0.010
356		全氟庚酸钠(PFHpA-Na)	20109-59-5	--
357		全氟庚酸钾(PFHpA-K)	21049-36-5	--
358		全氟庚酸铵(PFHpA-NH_4)	6130-43-4	--
359		全氟庚酸铯(PFHpA-Cs)	171198-24-6	--
360		全氟庚酸银(PFHpA-Ag)	424-05-5	--
361		全氟庚酸锂(PFHpA-Li)	60871-90-1	--
362		全氟庚酸盐	120885-29-2	--
363	HFPO-DA, 及其盐&衍生物	2,3,3,3-四氟-2-(七氟丙氧基)丙酸(HFPO-DA)	13252-13-6	0.010
364		2,3,3,3-四氟-2-(七氟丙氧基)丙酸铵(HFPO-DA-NH_4)	62037-80-3	--
365		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钾(HFPO-DA-K)	67118-55-2	--
366		2,3,3,3-四氟-2-(七氟丙氧基)丙酸酰基氟化物(HFPO-DA-F)	2062-98-8	--
367		2,3,3,3-四氟-2-(七氟丙氧基)-, (+)-丙酸	75579-39-4	--
368		2,3,3,3-四氟-2-(七氟丙氧基)-,(-)-丙酸	75579-40-7	--
369		2,3,3,3-四氟-2-(七氟丙氧基)丙酸钠	67963-75-1	--
370		全氟(2-丙氧基丙酸酯)	122499-17-6	--
371		2,3,3,3-四氟-2-(七氟丙氧基)丙酸-N-丙基丙烷-1-胺(1/1)	165951-17-7	--
372		全氟-2-丙氧基丙酸三乙胺	165951-18-8	--
373		4-[(6-甲氧基-3-哒嗪基)氨磺酰基]2,3,3,3-四氟-2-(七氟丙氧基)丙酸苯胺	298703-31-8	--
374		2,3,3,3-四氟-7-(七氟丙氧基)丙酸(1-甲基哌啶-3-基)2,3,6-三碘苯甲酸甲酯 (HFPO-$C_{14}H_{16}I_3NO_2$)	2412106-69-3	--
375	4:2 FTS, 及其盐	1H,1H,2H,2H-全氟己烷磺酸(4:2 FTS)	757124-72-4	0.010
376		1H,1H,2H,2H-全氟己烷磺酸钠	27619-93-8	--
377		1H,1H,2H,2H-全氟己烷磺酸盐(4:2 FTS(anion))	414911-30-1	--
378	PFPeS, 及其盐	全氟戊磺酸(PFPeS)	2706-91-4	0.010
379		全氟戊磺酸钠(PFPeS-Na)	630402-22-1	--

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(PFAS)

No.	组名	物质名称	CAS No.	MDL (mg/kg)
380		全氟戊磺酸钾(PFPeS-K)	3872-25-1	--
381		全氟戊磺酸铵(PFPeS-NH_4)	68259-09-6	--
382		全氟戊磺酸-双(2-羟乙基)铵	70225-17-1	--
383		全氟戊磺酸锂(PFPeS-Li)	1046864-81-6	--
384		全氟戊磺酸盐	175905-36-9	--
385		全氟戊磺酸三乙基铵	72033-42-2	--
386		全氟戊烷磺酸酐(PFPeSA)	161877-72-1	--
387	--	2-全氟己基乙酸(6:2 FTCA)	53826-12-3	0.010
388	--	3-全氟戊基丙酸(5:3 FTCA)	914637-49-3	0.010
389	PFHxDA, 及其盐	全氟正十六酸(PFHxDA)	67905-19-5	0.010
390		全氟正十六酸盐 (PFHxDA(anion))	1214264-30-8	--
391	PFODA, 及其盐	全氟正十八酸(PFODA)	16517-11-6	0.010
392		全氟正十八酸盐(PFODA(anion))	798556-82-8	--
393	--	1H,1H,2H,2H-甲基丙烯酸全氟辛酯(6:2 FTMA)	2144-53-8	0.200
394	ADONA,及其盐	4,8-二氧-3H-全氟壬酸(ADONA)	919005-14-4	0.010
395		4,8-二氧杂-3H-全氟壬酸铵(ADONA-NH_4)	958445-44-8	--
396		4,8-二氧杂-3H-全氟壬酸钠(ADONA-Na)	2250081-67-3	--
397	--	全氟-3-甲氧基丙酸(PFMPA)	377-73-1	0.010
398	--	全氟-4-甲氧基丁酸(PFMBA)	863090-89-5	0.010
399	--	全氟-3,6-二氧杂庚酸(NFDHA)	151772-58-6	0.010
400	9Cl-PF_3ONS,及其盐	9-氯十六氟-3-氧代壬烷-1-磺酸(9Cl-PF_3ONS)	756426-58-1	0.010
401		9-氯十六氟-3-氧代壬烷-1-磺酸钾 (9Cl-PF_3ONS-K)	73606-19-6	--
402		9-氯十六氟-3-氧代壬烷-1-磺酸铵 (9Cl-PF_3ONS-NH_4)	1383434-28-3	--
403	11Cl-PF_3OUdS, 及其盐	11-氯二十碳氟-3-氧十一烷-1-磺酸(11Cl-PF_3OUdS)	763051-92-9	0.010
404		11-氯二十碳氟-3-氧十一烷-1-磺酸钾(11Cl-PF_3OUdS-K)	83329-89-9	--
405	--	全氟(2-乙氧基乙烷)磺酸(PFEESA)	113507-82-7	0.010
406	--	3-全氟丙基丙酸(3:3 FTCA)	356-02-5	0.010
407	PFPeDA,及其盐	全氟十五烷酸(PFPeDA)	141074-63-7	0.100
408		全氟十五烷酸盐(PFPeDA(anion))	1214264-29-5	--
409	--	1H,1H,2H,2H-全氟己基甲基丙烯酸酯(4:2 FTMA)	1799-84-4	0.200
410	--	2-(N-乙基全氟辛烷磺酰胺基)丙烯酸乙酯 (EtFOSAC)	423-82-5	0.200
411	--	1-碘-1H,1H,2H,2H-全氟辛烷(6:2 FTI)	2043-57-4	0.100
412	--	九氟丁烷磺酰胺(PFBSA)	30334-69-1	0.100

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
413	--	N-(2-羟乙基)-N-甲基全氟丁烷磺酰胺(PFBS-NC_3H_8O)	34454-97-2	0.010
414	11H-PFUnDA, 及其盐	11H-全氟十一烷酸(11H-PFUnDA)	1765-48-6	0.100
415		11H-全氟十一烷酸钾(11H-PFUnDA-K)	307-71-1	--
416		11H-全氟十一烷酸铵(11H-PFUnDA-NH_4)	5081-02-7	--
417		11H-全氟十一烷酸盐 (11H-PFUnDA(anion))	69681-37-4	--
418	PFPrA,及其盐	五氟丙酸(PFPrA)	422-64-0	0.100
419		五氟丙酸钠(PFPrA-Na)	378-77-8	--
420		五氟丙酸银(PFPrA-Ag)	509-09-1	--
421		五氟丙酸钾(PFPrA-K)	378-76-7	--
422		五氟丙酸铵(PFPrA-NH_4)	2730-58-7	--
423	HFPO-TA, 及其盐	全氟-2,5-二甲基-3,6-二氧杂壬酸 (HFPO-TA)	13252-14-7	0.200
424		全氟-2,5-二甲基-3,6-二氧杂壬酸钾 (HFPO-TA-K)	67118-57-4	--
425		全氟-2,5-二甲基-3,6-二氧杂壬酸钠 (HFPO-TA-Na)	67963-76-2	--
426		全氟-2,5-二甲基-3,6-二氧杂壬酸铵 (HFPO-TA-NH4)	13043-05-5	--
427		全氟-2,5-二甲基-3,6-二氧杂壬酰基氟化物 (HFPO-TA-F)	2641-34-1	--
428	--	全氟乙烷磺酸(PFEtS)	354-88-1	0.010
429	6:2 diPAP, 及其盐	双[2-(全氟己基)乙基]磷酸盐(6:2 diPAP)	57677-95-9	0.010
430		双[2-(全氟己基)乙基]磷酸(6:2 diPAP-Na)	407582-79-0	--
431		双[2-(全氟己基)乙基]磷酸盐离子(6:2 diPAP(Anion))	667465-18-1	--
432	TFSI, 及其盐	双(三氟甲烷)磺酰亚胺(TFSI)	82113-65-3	0.010
433		1-丁基-1-甲基吡咯烷双(三氟甲烷)磺酰亚胺	223437-11-4	--
434		三丁基甲基铵双(三氟甲烷)磺酰亚胺	405514-94-5	--
435		双(三氟甲烷)磺酰亚胺锂(TFSI-Li)	90076-65-6	--
436		1-癸基-3-甲基咪唑双(三氟甲烷)磺酰亚胺	433337-23-6	--
437	10:2 monoPAP, 及其盐	单[2-(全氟癸基)乙基]磷酸酯 (10:2 monoPAP)	57678-05-4	0.100
438		单[2-(全氟癸基)乙基]磷酸双铵盐	93857-45-5	--
439	--	N-(4,4,5,5,6,6,7,7,8,8,9,9,9-十三氟壬基)碘乙酰胺	852527-50-5	0.010
440	TFMS, 及其盐	三氟甲磺酸(TFMS)	1493-13-6	0.010
441		三氟甲磺酸钠盐(TFMS-Na)	2926-30-9	--
442		三氟甲磺酸银盐(TFMS-Ag)	2923-28-6	--
443		三氟甲磺酸锌盐(TFMS-Zn)	54010-75-2	--
444		三氟甲磺酸钪盐(TFMS-Sc)	144026-79-9	--
445		三氟甲磺酸酐	358-23-6	--

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No.	组名	物质名称	CAS No.	MDL (mg/kg)
446		三氟甲磺酸锂盐(TFMS-Li)	33454-82-9	--
447		三氟甲磺酸铜盐(TFMS-Cu)	34946-82-2	--
448		三氟甲磺酸钡盐(TFMS-Ba)	2794-60-7	--
449		三氟甲磺酸铈盐(TFMS-Ce)	107792-63-2	--
450		三氟甲磺酸镁盐(TFMS-Mg)	60871-83-2	--
451		三氟甲磺酸钾盐(TFMS-K)	2926-27-4	--
452		三氟甲磺酸镍盐(TFMS-Ni)	60871-84-3	--
453		三氟甲磺酸锡盐(TFMS-Sn)	62086-04-8	--
454		三氟甲磺酸钇盐(TFMS-Y)	52093-30-8	--
455		三氟甲磺酸铁盐(TFMS-Fe)	63295-48-7	--
456		三氟甲磺酸铈盐(TFMS-Ce)	76089-77-5	--
457	PFPrS, 及其盐	全氟丙烷磺酸(PFPrS)	423-41-6	0.010
458		全氟丙烷磺酸钠(PFPrS-Na)	359868-82-9	--
459	--	1-全氟庚基乙醇 (7:2 仲) (7:2sFTOH)	24015-83-6	0.200
460	--	1-碘-1H, 1H, 2H, 2H-全氟己烷(4:2 FTI)	2043-55-2	0.200
461	PFHpSi, 及其盐	全氟庚烷-1-亚磺酸(PFHpSi)	769067-51-8	0.010
462		全氟庚烷-1-亚磺酸钠盐 (PFHpSi-Na)	68555-66-8	--
463	PFOPA, 及其盐	全氟辛基磷酸 (PFOPA)	40143-78-0	0.010
464		全氟辛基磷酸-4-甲基苯甲酰胺	1263361-03-0	--
465	--	1H, 1H-全氟辛胺(7:1 $FTNH_2$)	307-29-9	0.200
466	--	全氟庚酰胺(PFHpA-NH_2)	2358-22-7	0.100
467	--	全氟丁酰胺(PFBA-NH_2)	662-50-0	0.200
468	--	1H, 1H, 2H, 2H-九氟己酯(4:2 FTA)	52591-27-2	0.200
469	--	N-甲基-九氟丁磺酰胺(MeFBSA)	68298-12-4	0.010
470	--	N-乙基-1,1,2,2,3,3,4,4,5,5,6,6,6-十三氟-N-(2-羟乙基)-1-己磺酰胺(Et-FHxSE)	34455-03-3	0.010

2. 针对纺织品和皮革样品，*物质的 MDL=0.200mg/kg。
3. 结论仅针对报告上的物质清单。

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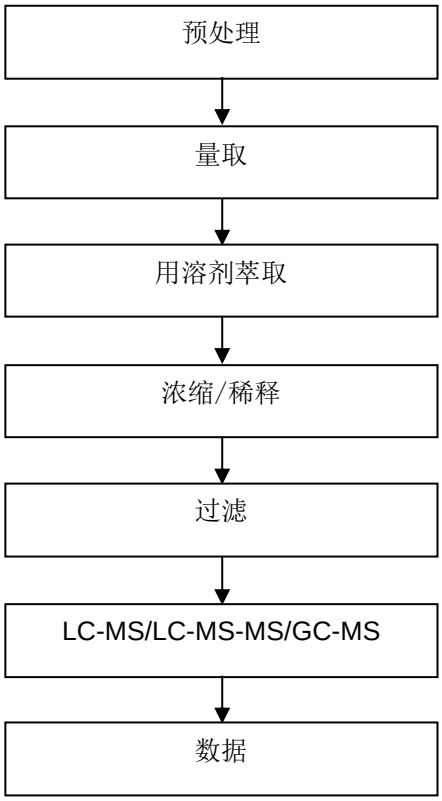
PFASs/ PFOS/PFOA 检测流程图



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