

检测报告

编号: TAOEC2306819102

日期: 2023年09月25日 第1页,共14页

客户名称: 江苏广信感光新材料股份有限公司
客户地址: 江阴市青阳镇工业集中区华澄路18号

样品名称: 液态感光阻焊油墨
型号: KSM-S6189EBK
料号: KSM-19E
制造商: 江苏广信感光新材料股份有限公司
客户参考信息: 以75°C预烤3小时; 150°C2小时固化
以上样品及信息由客户提供。

SGS工作编号: TIC1020230916151501Y7KO - QD
样品接收日期: 2023年09月18日
检测周期: 2023年09月18日 - 2023年09月25日
检测要求: 根据客户要求检测
检测方法: 请参见下一页
检测结果: 请参见下一页
检测结果概要:

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(PBBs), 多溴二苯醚(PBDEs), 邻苯二甲酸二丁酯 (DBP), 邻苯二甲酸丁苄酯(BBP), 邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP)	符合
卤素	见检测结果
全氟辛烷磺酸(PFOS)及其衍生物和全氟辛酸(PFOA)及其盐	见检测结果
六溴环十二烷(HBCDD)	见检测结果
邻苯二甲酸酯	见检测结果



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通标标准技术服务(青岛)有限公司
授权签名



Zhang Bo, Justin 张波
批准签署人



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检测结果:

检测样品描述:

样品编号	SGS样品ID	描述
SN1	TAO23-068191.001	黑色固体

备注:

- (1) 1 mg/kg = 0.0001%
- (2) MDL = 方法检测限
- (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(PBBs), 多溴二苯醚(PBDEs), 邻苯二甲酸二丁酯(DBP), 邻苯二甲酸丁基酯(BBP), 邻苯二甲酸二(2-乙基己基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP)

检测方法: 参考IEC 62321-5:2013, IEC 62321-4:2013+AMD1:2017, IEC 62321-7-2:2017, IEC 62321-6:2015和IEC 62321-8:2017, 采用ICP-OES, UV-Vis和GC-MS进行分析.

检测项目	限值	单位	MDL	001
镉(Cd)	100	mg/kg	2	ND
铅(Pb)	1000	mg/kg	2	ND
汞(Hg)	1000	mg/kg	2	ND
六价铬 (Cr(VI))	1000	mg/kg	8	ND
多溴联苯之和(PBBs)	1000	mg/kg	-	ND
一溴联苯	-	mg/kg	5	ND
二溴联苯	-	mg/kg	5	ND
三溴联苯	-	mg/kg	5	ND
四溴联苯	-	mg/kg	5	ND
五溴联苯	-	mg/kg	5	ND
六溴联苯	-	mg/kg	5	ND
七溴联苯	-	mg/kg	5	ND
八溴联苯	-	mg/kg	5	ND
九溴联苯	-	mg/kg	5	ND
十溴联苯	-	mg/kg	5	ND
多溴二苯醚之和(PBDEs)	1000	mg/kg	-	ND
一溴二苯醚	-	mg/kg	5	ND
二溴二苯醚	-	mg/kg	5	ND
三溴二苯醚	-	mg/kg	5	ND
四溴二苯醚	-	mg/kg	5	ND



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检测项目	限值	单位	MDL	001
五溴二苯醚	-	mg/kg	5	ND
六溴二苯醚	-	mg/kg	5	ND
七溴二苯醚	-	mg/kg	5	ND
八溴二苯醚	-	mg/kg	5	ND
九溴二苯醚	-	mg/kg	5	ND
十溴二苯醚	-	mg/kg	5	ND
邻苯二甲酸二丁酯 (DBP)	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(2-乙基己基)酯(DEHP)	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。

卤素

检测方法: 参照EN 14582: 2016方法测定, 采用 IC进行分析。

检测项目	单位	MDL	001
氟(F)	mg/kg	20	84
氯(Cl)	mg/kg	50	111
溴(Br)	mg/kg	50	ND
碘(I)	mg/kg	50	ND

全氟辛烷磺酸(PFOS)及其衍生物和全氟辛酸(PFOA)及其盐

检测方法: 参照CEN/TS 15968:2010 方法, 采用LC-MS-MS检测。

检测项目	CAS NO.	单位	MDL	001
全氟辛烷磺酸(PFOS)及衍生物	-	mg/kg	-	ND
全氟辛烷磺及其衍生物 (PFOS)^	1763-23-1	mg/kg	0.01	ND
N-乙基全氟辛烷磺酰胺 (EtFOSA)	4151-50-2	mg/kg	0.01	ND
2-(N-乙基全氟辛基磺酰胺)乙醇 (EtFOSE)	1691-99-2	mg/kg	0.01	ND
N-甲基全氟辛烷磺酰胺 (MeFOSA)	31506-32-8	mg/kg	0.01	ND
2-(N-甲基全氟辛基磺酰胺)乙醇 (MeFOSE)	24448-09-7	mg/kg	0.01	ND
全氟辛基磺酰胺 (PFOSA)	754-91-6	mg/kg	0.01	ND



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检测项目

全氟辛酸(PFOA)及其盐+

CAS NO.

单位

mg/kg

MDL

0.01

001

ND

备注:

(1) ^全氟辛烷磺酸是指其酸、盐/衍生物, 包括全氟辛烷磺酸 (CAS No.: 1763-23-1), 全氟辛基磺酸钾 (CAS No.: 2795-39-3), 全氟辛基磺酸锂 (CAS No.: 29457-72-5), 全氟辛基磺酸铵 (CAS No.: 29081-56-9), 全氟辛烷磺酸二乙醇胺 (CAS No.: 70225-14-8), 全氟辛烷磺酸四乙铵 (CAS No.: 56773-42-3), 全氟辛基磺酸二癸二甲基铵 (CAS No.: 251099-16-8) 和全氟辛基磺酰氟 (CAS No.: 307-35-7)。

(2) PFOA 及其盐+是指其酸/盐, 包括全氟辛酸 (CAS No.: 335-67-1), 全氟辛酸钠 (CAS No.: 335-95-5), 全氟辛酸钾 (CAS No.: 2395-00-8), 全氟辛酸银 (CAS No.: 335-93-3), 全氟辛酰氟 (CAS No.: 335-66-0) 和全氟辛酸铵 (CAS No.: 3825-26-1)。

六溴环十二烷(HBCDD)

检测方法: 参照US EPA 3550C: 2007, 采用GC-MS进行分析。

检测项目

六溴环十二烷 (HBCDD)

单位

mg/kg

MDL

10

001

ND

邻苯二甲酸酯

检测方法: 参照EN 14372: 2004的方法测定, 采用GC-MS进行分析。

检测项目

邻苯二甲酸二丁酯(DBP)

CAS NO.

84-74-2

单位

%

MDL

0.003

001

ND

邻苯二甲酸二(2-乙基己基)酯 (DEHP)

117-81-7

%

0.003

ND

邻苯二甲酸丁苄酯 (BBP)

85-68-7

%

0.003

ND

邻苯二甲酸二异壬酯 (DINP)

28553-12-0/

%

0.01

ND

68515-48-0

邻苯二甲酸二正辛酯 (DNOP)

117-84-0

%

0.003

ND

邻苯二甲酸二异癸酯 (DIDP)

26761-40-0

%

0.01

ND

/68515-49-1

邻苯二甲酸二甲酯 (DMP)

131-11-3

%

0.003

ND

邻苯二甲酸二乙酯 (DEP)

84-66-2

%

0.003

ND

邻苯二甲酸二丙酯 (DPrP)

131-16-8

%

0.003

ND

邻苯二甲酸二异丁酯 (DIBP)

84-69-5

%

0.003

ND

邻苯二甲酸二戊酯 (DnPP)

131-18-0

%

0.003

ND

邻苯二甲酸二正己酯 (DnHP)

84-75-3

%

0.003

ND

邻苯二甲酸二环己酯 (DCHP)

84-61-7

%

0.003

ND



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检测项目	CAS NO.	单位	MDL	001
邻苯二甲酸二苯酯 (DPhP)	84-62-8	%	0.003	ND
邻苯二甲酸二苄酯(DBzP)	523-31-9	%	0.003	ND
邻苯二甲酸二壬酯 (DNP)	84-76-4	%	0.003	ND
邻苯二甲酸二异辛酯 (DiOP)	27554-26-3	%	0.01	ND
邻苯二甲酸二(2-甲氧基乙基)酯(DMEP)	117-82-8	%	0.003	ND

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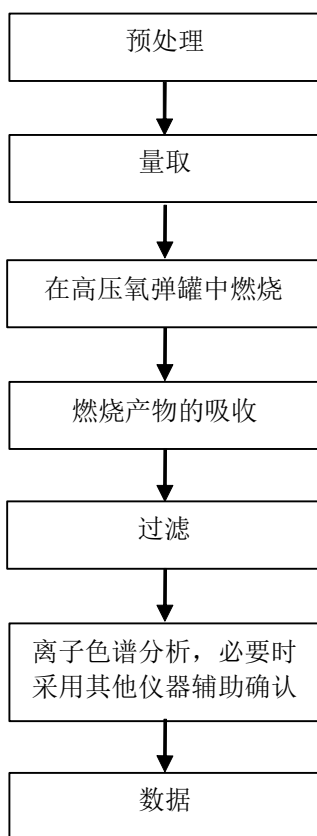


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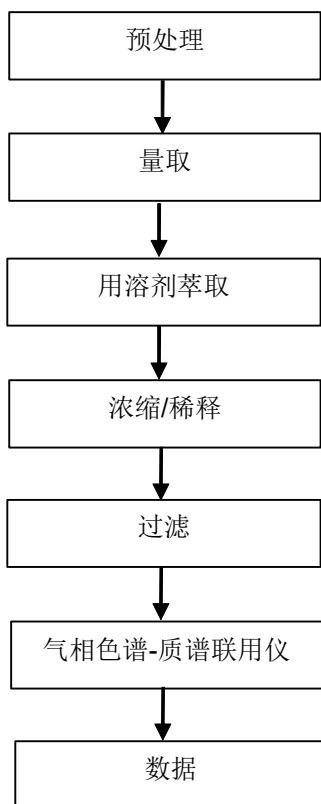
附件

卤素检测流程图



附件

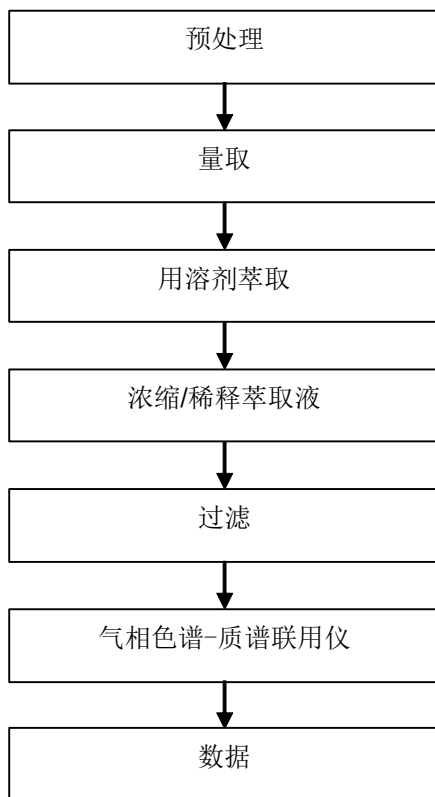
HBCDD 检测流程图



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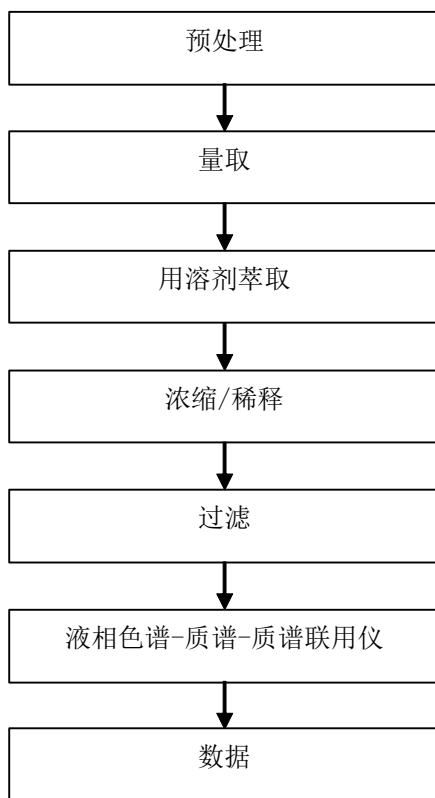
PBBs/PBDEs 检测流程图



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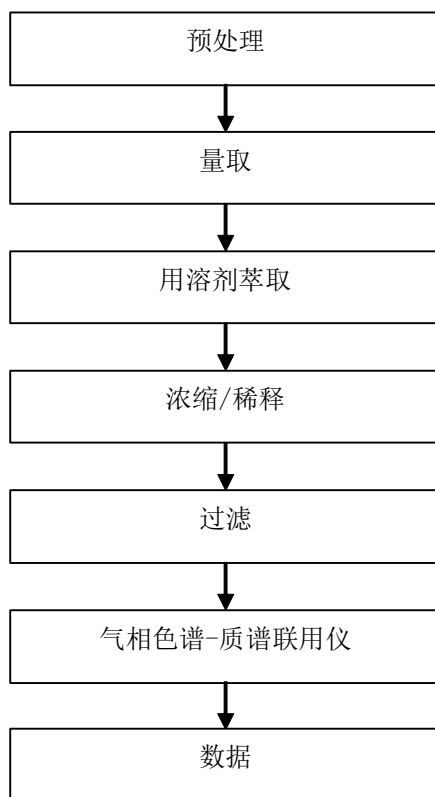
PFOS/PFOA 检测流程图



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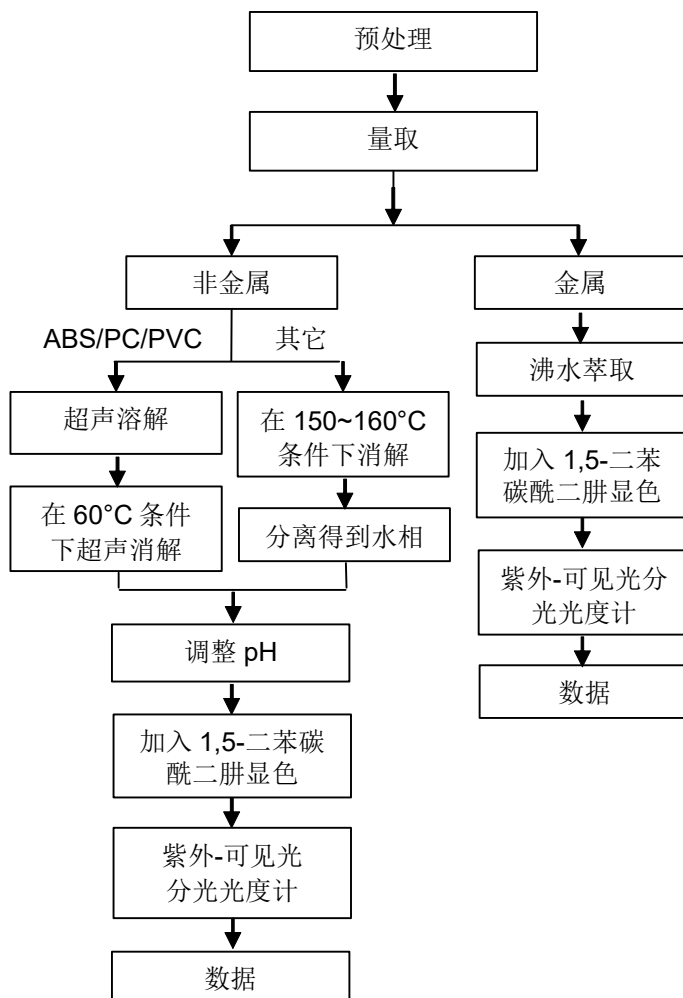
Phthalates 检测流程图



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六价铬检测流程图

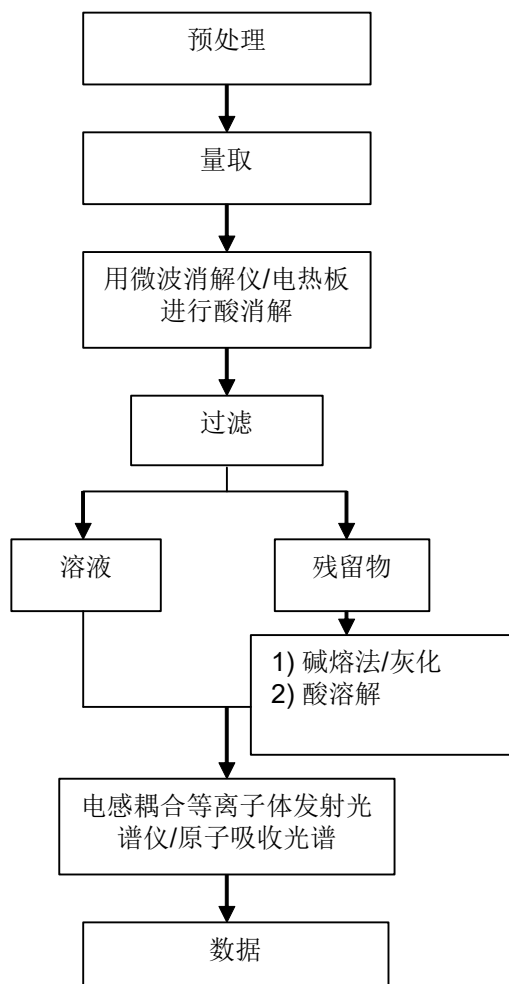


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元素(IEC62321) 检测流程图

1)样品按照下述流程被完全消解



检测报告

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