

测试报告 No. CANEC2101888902 日期: 2021年02月18日 第1页,共20页

建滔积层板控股有限公司 香港新界沙田安耀街三号汇达大厦二十三楼

以下测试之样品是由申请者所提供及确认: KB-3151C

SGS工作编号: CP21-004704 - GZ

型号: KB-3151C

客户参考信息: KB-2150, KB-2151, KB-3151S, KB-3150N, KB-3151HS

样品接收日期: 2021年02月01日

测试周期: 2021年02月01日 - 2021年02月10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

结论: 基于所送样品进行的测试,镉、铅、汞、六价铬、多溴联苯(PBBs)、多溴二苯

> 醚(PBDEs)、邻苯二甲酸酯(如邻苯二甲酸二丁酯 (DBP)、邻苯二甲酸丁苄 酯(BBP)、邻苯二甲酸二(2-乙基已基)酯(DEHP)和邻苯二甲酸二异丁酯(DIBP))的 测试结果符合欧盟RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863的限值

要求。

通标标准技术服务有限公司广州分公司 授权签名

之极圣

检验检测专用童

Violet,Shi 史丽兰 批准签署人



中国·广州·经济技术开发区科学城科珠路198号

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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 CAN21-018889.001 深黄色单面覆铜板(取用无红色"KB"印字部分测试)

#### 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

### RoHS指令2011/65/EU附录II的修正指令(EU) 2015/863

测试方法: 参考IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, 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.

测试项目	限值	<u>单位</u>	<u>MDL</u>	<u>001</u>
镉 (Cd)	100	mg/kg	2	ND
铅 (Pb)	1,000	mg/kg	2	ND
汞 (Hg)	1,000	mg/kg	2	ND
六价铬(Cr(VI))	1,000	mg/kg	8	ND
多溴联苯之和(PBBs)	1,000	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)	1,000	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
五溴二苯醚	-	mg/kg	5	ND



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<u>测试项目</u>	<u>限值</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>
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)	1,000	mg/kg	50	ND
邻苯二甲酸丁苄酯(BBP)	1,000	mg/kg	50	ND
邻苯二甲酸二(2-乙基已基)酯(DEHP)	1,000	mg/kg	50	ND
邻苯二甲酸二异丁酯(DIBP)	1,000	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

https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP\_ORG\_ID,FSP\_LANG\_ID:12586

(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。

### 元素分析

SGS内部方法(GZTC CHEM-TOP-004-01,参考EPA 3052: 1996),采用ICP-OES进行分析。 测试方法:

<u>测试项目</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>
砷 (As)	mg/kg	10	ND
锑 (Sb)	mg/kg	10	ND
铍(Be)	mg/kg	5	ND

# 二氯化钴

测试方法: 参考SGS内部方法(GZTC CHEM-TOP-099-02),用IC和ICP-OES分析。

<u>测试项目</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>
二氯化钴 (CoCl2)	mg/kg	100	ND

#### 备注:

(1) 二氯化钴的结果是由氯和钴含量换算得之。



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### **ODS**

测试方法: SGS内部方法(GZTC CHEM-TOP-201-01,参考US EPA 方法5021A:2014),采 用HS-GC-MS进行分析。

<u>测试项目</u>	CAS NO.	<u>单位</u>	<u>MDL</u>	<u>001</u>
六氟化硫	2551-62-4	μg/g	0.1	ND
CFC				
CFC-11	75-69-4	μg/g	0.1	ND
CFC-12	75-71-8	μg/g	0.1	ND
CFC-113	76-13-1	μg/g	0.1	ND
CFC-114	76-14-2	μg/g	0.1	ND
CFC-13	75-72-9	μg/g	0.1	ND
CFC-111	354-56-3	μg/g	0.1	ND
CFC-112	76-11-9	μg/g	0.1	ND
CFC-112	76-12-0	μg/g	0.1	ND
CFC-113	354-58-5	μg/g	0.1	ND
CFC-114	374-07-2	μg/g	0.1	ND
CFC-115	76-15-3	μg/g	0.1	ND
CFC-211	422-78-6	μg/g	0.1	ND
CFC-212	661-96-1	μg/g	0.1	ND
CFC-213	1652-89-7	μg/g	0.1	ND
CFC-214	677-68-9	μg/g	0.1	ND
CFC-215	1599-41-3	μg/g	0.1	ND
CFC-215	76-17-5	μg/g	0.1	ND
CFC-216	661-97-2	μg/g	0.1	ND
CFC-216	1652-80-8	μg/g	0.1	ND
CFC-217	422-86-6	μg/g	0.1	ND
HCFC				
HCFC-21	75-43-4	μg/g	0.1	ND
HCFC-22	75-45-6	μg/g	0.1	ND
HCFC-123	306-83-2	μg/g	0.1	ND
HCFC-124	2837-89-0	μg/g	0.1	ND
HCFC-141b	1717-00-6	μg/g	0.1	ND
HCFC-142b	75-68-3	μg/g	0.1	ND
HCFC-31	593-70-4	μg/g	0.1	ND
HCFC-121	354-14-3	μg/g	0.1	ND
HCFC-122	354-21-2	μg/g	0.1	ND
HCFC-123a	354-23-4	μg/g	0.1	ND
HCFC-124a	354-25-6	μg/g	0.1	ND



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测试项目	CAS NO.	<u>单位</u>	<u>MDL</u>	<u>001</u>	
HCFC-131	359-28-4	μg/g	0.1	ND	
HCFC-131a	811-95-0	μg/g	0.1	ND	
HCFC-132a	471-43-2	μg/g	0.1	ND	
HCFC-132b	1649-08-7	μg/g	0.1	ND	
HCFC-133a	75-88-7	μg/g	0.1	ND	
HCFC-221	422-26-4	μg/g	0.1	ND	
HCFC-222	422-30-0	μg/g	0.1	ND	
HCFC-223	422-52-6	μg/g	0.1	ND	
HCFC-224	422-54-8	μg/g	0.1	ND	
HCFC-225ca	422-56-0	μg/g	0.1	ND	
HCFC-225cb	507-55-1	μg/g	0.1	ND	
HCFC-226	431-87-8	μg/g	0.1	ND	
HCFC-231	421-94-3	μg/g	0.1	ND	
HCFC-232	460-89-9	μg/g	0.1	ND	
HCFC-233	7125-84-0	μg/g	0.1	ND	
HCFC-234	425-94-5	μg/g	0.1	ND	
HCFC-235	460-92-4	μg/g	0.1	ND	
HCFC-241	666-27-3	μg/g	0.1	ND	
HCFC-242	460-63-9	μg/g	0.1	ND	
HCFC-243	338-75-0	μg/g	0.1	ND	
HCFC-244	679-85-6	μg/g	0.1	ND	
HCFC-251	421-41-0	μg/g	0.1	ND	
HCFC-252	819-00-1	μg/g	0.1	ND	
HCFC-253	460-35-5	μg/g	0.1	ND	
HCFC-261	7799-56-6	μg/g	0.1	ND	
HCFC-261	420-97-3	μg/g	0.1	ND	
HCFC-271	430-55-7	μg/g	0.1	ND	
HCFC-262	102738-79-4	μg/g	0.1	ND	
HCFC-262	420-99-5	μg/g	0.1	ND	
Halon					
Halon 1211	353-59-3	μg/g	0.1	ND	
Halon 1301	75-63-8	μg/g	0.1	ND	
Halon 2402	124-73-2	μg/g	0.1	ND	
HFC					
HFC-23	75-46-7	μg/g	0.1	ND	
HFC-32	75-10-5	μg/g	0.1	ND	
HFC-41	593-53-3	μg/g	0.1	ND	
HFC-43-10mee	-	μg/g	0.1	ND	
HFC-125	354-33-6	µg/g	0.1	ND	
HFC-134	359-35-3	µg/g	0.1	ND	



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测试项目	CAS NO.	<u>单位</u>	<u>MDL</u>	<u>001</u>	
HFC-134a	811-97-2	μg/g	0.1	ND	
HFC-152a	75-37-6	μg/g	0.1	ND	
HFC-143	430-66-0	μg/g	0.1	ND	
HFC-143a	420-46-2	μg/g	0.1	ND	
HFC-227ea	-	µg/g	0.1	ND	
HFC-236cb	-	μg/g	0.1	ND	
HFC-236ea	431-63-0	μg/g	0.1	ND	
HFC-236fa	690-39-1	μg/g	0.1	ND	
HFC-245ca	679-86-7	μg/g	0.1	ND	
HFC-245fa	-	μg/g	0.1	ND	
HFC-365mfc	-	μg/g	0.1	ND	
PFC					
全氟甲烷	75-73-0	μg/g	0.1	ND	
全氟乙烷	76-16-4	μg/g	0.1	ND	
全氟丙烷	76-19-7	μg/g	0.1	ND	
全氟丁烷	355-25-9	μg/g	0.1	ND	
全氟戊烷	678-26-2	μg/g	0.1	ND	
全氟己烷	355-42-0	μg/g	0.1	ND	
全氟环丁烷	115-25-3	μg/g	0.1	ND	
CHC					
四氯化碳	56-23-5	μg/g	0.1	ND	
1,1,1-三氯乙烷	71-55-6	µg/g	0.1	ND	

# 石棉

测试方法: 参考NIOSH 9000:2015 / NIOSH 9002:1994, 采用XRD / PLM进行分析。

<u>测试项目</u>	CAS NO.	<u>单位</u>	<u>MDL</u>	<u>001</u>
温石棉	12001-29-5/13220 7-32-0	% (m/m)	0.1	阴性
铁石棉	12172-73-5	% (m/m)	0.1	阴性
青石棉	12001-28-4	% (m/m)	0.1	阴性
直闪石	77536-67-5	% (m/m)	0.1	阴性
透闪石	77536-68-6	% (m/m)	0.1	阴性
阳起石	77536-66-4	% (m/m)	0.1	阴性



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备注:

(1)阴性表示未检出石棉,阳性表示检出石棉。

红磷

测试方法: SGS内部方法(GZTC CHEM-TOP-215-01),采用PY-GC/MS / ICP-OES 进行分析。

<u>测试项目</u> <u>单位</u> <u>MDL</u> <u>001</u> 红磷 <u>mg/kg</u> 500 ND

### 邻苯二甲酸盐(或酯)

测试方法: 参考EN 14372: 2004的方法测定, 采用GC-MS进行分析。

测试项目	CAS NO.	<u>单位</u>	MDL	<u>001</u>
▽本二甲酸二丁酯 (DBP)	84-74-2	%(w/w)	0.003	ND
邻苯二甲酸丁苄酯 (BBP)	85-68-7	%(w/w)	0.003	ND
邻苯二甲酸二(2-乙基己基)酯 (DEHP)	117-81-7	%(w/w)	0.003	ND
邻苯二甲酸二异壬酯 (DINP)	28553-12-0 /	%(w/w)	0.010	ND
	68515-48-0			
邻苯二甲酸二正辛酯 (DNOP)	117-84-0	%(w/w)	0.003	ND
邻苯二甲酸二异癸酯 (DIDP)	26761-40-0 /	%(w/w)	0.010	ND
	68515-49-1			
邻苯二甲酸二甲酯 (DMP)	131-11-3	%(w/w)	0.003	ND
邻苯二甲酸二乙酯 (DEP)	84-66-2	%(w/w)	0.003	ND
邻苯二甲酸二丙酯 (DPrP)	131-16-8	%(w/w)	0.003	ND
邻苯二甲酸二异丁酯 (DIBP)	84-69-5	%(w/w)	0.003	ND
邻苯二甲酸二戊酯 (DPENP/ DnPP)	131-18-0	%(w/w)	0.003	ND
邻苯二甲酸二正己酯 (DnHP)	84-75-3	%(w/w)	0.003	ND
邻苯二甲酸二环己酯 (DCHP)	84-61-7	%(w/w)	0.003	ND
邻苯二甲酸二苯酯 (DPhP)	84-62-8	%(w/w)	0.003	ND
邻苯二甲酸二苄酯 (DBzP)	523-31-9	%(w/w)	0.003	ND
邻苯二甲酸二壬酯 (DNP)	84-76-4	%(w/w)	0.003	ND
邻苯二甲酸二异辛酯 (DIOP)	27554-26-3	%(w/w)	0.010	ND
邻苯二甲酸二(2-甲氧基乙基)酯 (DMEP)	117-82-8	%(w/w)	0.003	ND
邻苯二甲酸二烯丙酯 (DAP)	131-17-9	%(w/w)	0.003	ND
邻苯二甲酸癸基辛基酯 (nDnOP)	119-07-3	%(w/w)	0.003	ND



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#### 测试报告 No. CANEC2101888902 日期: 2021年02月18日 第8页,共20页

测试项目	CAS NO.	<u>单位</u>	<u>MDL</u>	<u>001</u>
邻苯二甲酸癸基辛基酯 (nDnOP)	119-07-3	%(w/w)	0.003	ND
邻苯二甲酸二癸酯 (DnDP)	84-77-5	%(w/w)	0.003	ND
邻苯二甲酸二异戊酯 (DIPP)	605-50-5	%(w/w)	0.003	ND
邻苯二甲酸正戊基异戊基酯 (nPIPP)	776297-69-9	%(w/w)	0.003	ND
邻苯二甲酸二(C6-8支链)烷基酯(富C7) (DIHP)	71888-89-6	%(w/w)	0.010	ND
邻苯二甲酸二(C7-11支链与直链)烷基(醇)酯 (DHNUP)	68515-42-4	%(w/w)	0.010	ND
己二酸二(2-乙基己基)酯(DEHA)	103-23-1	%(w/w)	0.003	ND
邻苯二甲酸二(4-甲基-2-戊基)酯 (BMPP)	146-50-9	%(w/w)	0.003	ND
邻苯二甲酸二(2-乙氧基)乙酯 (DEEP)	605-54-9	%(w/w)	0.003	ND
邻苯二甲酸二(2-丁氧基)乙酯 (DBEP)	117-83-9	%(w/w)	0.003	ND
邻苯二甲酸双十一烷酯 (DUDP)	3648-20-2	%(w/w)	0.003	ND
已二酸二异壬酯(DINA)	33703-08-1	%(w/w)	0.010	ND
邻苯二甲酸双十三烷基酯 (DTDP)	119-06-2	%(w/w)	0.003	ND
偏苯三酸三(2-乙基己)酯 (TOTM)	3319-31-1	%(w/w)	0.003	ND
对苯二甲酸二(2-乙基己)酯 (DOTP)	6422-86-2	%(w/w)	0.003	ND
邻苯二甲酸二庚酯 (DnHpP)	3648-21-3	%(w/w)	0.003	ND
乙酰柠檬酸三丁酯 (Citroflex, ATBC)	77-90-7	%(w/w)	0.010	ND
邻苯二甲酸二(支链与直链)戊基酯 (DPP)	84777-06-0	%(w/w)	0.010	ND
邻苯二甲酸二(支链与直链)己基酯 (DHP)	68515-50-4	%(w/w)	0.010	ND
邻苯二甲酸二(2-丙基庚)酯(DPHpP)	53306-54-0	%(w/w)	0.010	ND

#### 备注:

- (1) DBP、BBP、DEHP、DIBP参考信息: 欧盟决议(EC) No 1907/2006 REACH 附录XVII及其修正法 案(EU) 2018/2005 第51条:
- i) 不允许DBP、BBP、DEHP、DIBP单一质量浓度或质量浓度总和等于或高于0.1%的可塑性物料用于玩具 和儿童护理品。
- ii) 当玩具和儿童护理品中的可塑性物料含DBP、BBP、DEHP单一质量浓度或质量浓度总和等于或高 于0.1%时,不得投放市场。另外,当玩具和儿童护理品中的可塑性物料含DIBP单一质量浓度 或DBP、BBP、DEHP、DIBP质量浓度总和等于或高于0.1%时,2020年7月7日后不得投放市场。
- iii) 当成品中的可塑性物料含DBP、BBP、DEHP、DIBP单一质量浓度或质量浓度总和等于或高 于0.1%时,2020年7月7日后不得投放市场。

详细信息请参见Regulation (EU) 2018/2005

- (2) DINP、DNOP、DIDP参考信息: 欧盟决议(EC) No 1907/2006 REACH 附录XVII及修正法案(EU) 2015/326 第52条:
- i) 不允许DINP、DNOP、DIDP质量浓度高于0.1%的可塑性物料用于可放入儿童口中的玩具和儿童护理品。
- ii) 当可放入儿童口中的玩具和儿童护理品中的可塑性物料含DINP, DNOP, DIDP质量浓度高 于0.1%时,不得投放市场。

详细信息请参见Regulation (EU) 2015/326

#### 六溴环十二烷(HBCDD)



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**测试报告** No. CANEC2101888902 日期: 2021年02月18日 第9页,共20页

测试方法: SGS 内部方法(GZTC CHEM-TOP-073, 参考EPA 3550C:2007和EPA 8270E:2017), 采

用GC-MS进行分析。

### 全氟辛酸(PFOA)及其盐 & 全氟辛烷磺酸 (PFOS)及其衍生物

测试方法: 参考CEN/TS 15968:2010, 采用LC-MS或LC-MS/MS进行分析。

<u>测试项目</u>	CAS NO.	<u>单位</u>	<u>MDL</u>	<u>001</u>
全氟辛酸 (PFOA)及其盐+	335-67-1	mg/kg	0.010	ND
全氟辛烷磺酸 (PFOS) <sup>^</sup>	1763-23-1	mg/kg	0.010	ND
全氟辛基磺酰胺(PFOSA)	754-91-6	mg/kg	0.010	ND
N-甲基全氟辛烷磺酰胺(MeFOSA)	31506-32-8	mg/kg	0.010	ND
N-乙基全氟辛烷磺酰胺(EtFOSA)	4151-50-2	mg/kg	0.010	ND
2-(N-甲基全氟辛基磺酰胺)乙醇(MeFOSE)	24448-09-7	mg/kg	0.010	ND
2-(N-乙基全氟辛基磺酰胺)乙醇(EtFOSE)	1691-99-2	mg/kg	0.010	ND
全氟辛烷磺酸 (PFOS)及其衍生物	-	mg/kg	-	ND

#### 备注:

(1) + PFOA 及其盐包含PFOA-Na (CAS No.: 335-95-5), PFOA-K (CAS No.: 2395-00-8), PFOA-Ag (CAS No.: 335-93-3), PFOA-F (CAS No.: 335-66-0) 和 APFO (CAS No.: 3825-26-1);

(2) ^ 全氟辛烷磺酸 (PFOS)包含 PFOS-K (CAS No.: 2795-39-3), PFOS-Li (CAS No.: 29457-72-5), PFOS-NH₄ (CAS No.: 29081-56-9), PFOS-NH(OH)₂ (CAS No.: 70225-14-8), PFOS-N(C₂H₅)₄ (CAS No.: 56773-42-3), PFOS-DDA (CAS No.:251099-16-8) 和POSF (CAS No.: 307-35-7)

#### 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.	<u>单位</u>	<u>MDL</u>	<u>001</u>
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



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测试报告 No. CANEC2101888902 日期: 2021年02月18日 第10页,共20页

测试项目	CAS NO.	单位	<u>MDL</u>	<u>001</u>
遊成次百 芘 (PYR)	129-00-0			<u>001</u> ND
. ,	129-00-0	mg/kg	0.1	ND
苯并(a)蒽 (BaA)	56-55-3	mg/kg	0.1	ND
蒀 (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 <b>(j)</b> 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 <b>(e)</b> 芘 (BeP)	192-97-2	mg/kg	0.1	ND
茚苯(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)	191-24-2	mg/kg	0.1	ND
4项多环芳香烃总和(菲 (PHE), 芘 (PYR), 蒽 (ANT), 荧	-	mg/kg	-	ND
蒽 (FLT))				
15项多环芳香烃总和	-	mg/kg	-	ND



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No. CANEC2101888902

日期: 2021年02月18日 第11页,共20页

#### AfPS (德国产品安全委员会):多环芳香烃的要求

	1 类	2类 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 o的材料		3 类 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	
的材料, <b>参数</b> (mg/kg) -2009 的玩具, -供3岁以	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 <sup>a,b</sup> 使	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
莊 (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)花(二萘嵌苯) (BPE)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
茚苯(1,2,3-c,d)芘 (IPY)	< 0.2	< 0.2	< 0.5	< 0.5	< 1
菲 (PHE),芘 (PYR),	< 1	< 5	< 10	< 20	< 50
蒽 (ANT),荧蒽 (FLT)	(总和)	(总和)	(总和)	(总和)	(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。
- ° "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)。
- □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。

### 有机锡

SGS内部方法(GZTC CHEM-TOP-031,参考ISO 17353:2004),采用GC-MS进行分析。 测试方法:

<u>测试项目</u>	<u>单位</u>	<u>MDL</u>	<u>001</u>
二丁基锡(DBT)	mg/kg	0.02	ND
三丁基锡(TBT)	mg/kg	0.02	ND
三苯基锡(TPhT)	mg/kg	0.02	ND
二辛基锡(DOT)	mg/kg	0.02	ND



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No. CANEC2101888902

日期: 2021年02月18日 第12页,共20页

### 欧盟POPs法规(EU) 2019/1021-短链氯化石蜡 (SCCPs)

测试方法: 参考ISO 18219: 2015,采用GC-NCI-MS / GC-ECD 进行分析。

 測试项目
 限值
 单位
 MDL
 001

 短链氯化石蜡(C10-C13) (SCCPs)
 1500
 mg/kg
 50
 ND

 评论
 符合

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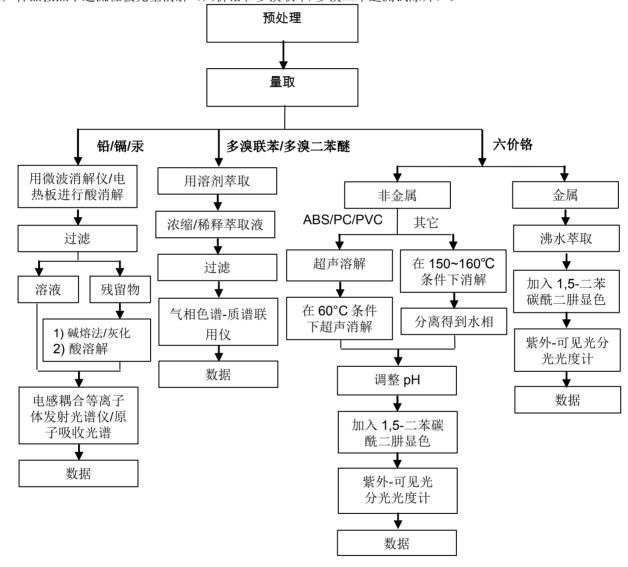
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### 附件

# Pb/Cd/Hg/Cr6+/PBBs/PBDEs 测试流程图

- 1) 分析人员: 张梓路 / 胡香云
- 2) 项目负责人: 汪丹 / 刘琼
- 3) 样品按照下述流程被完全消解(六价铬和多溴联苯/多溴二苯醚测试除外)。





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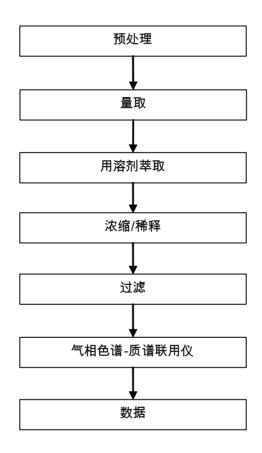
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### Phthalates 测试流程图

1) 分析人员:胡香云2) 项目负责人:刘琼





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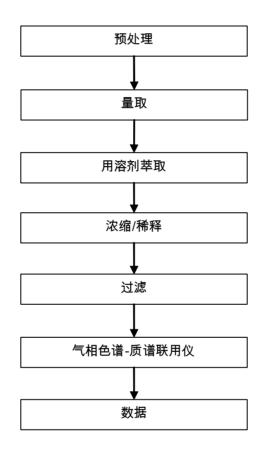
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# 附件

# HBCDD 测试流程图

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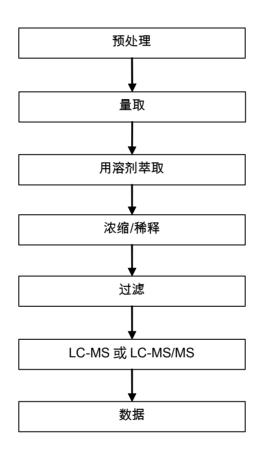
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# 附件

# PFOA / PFOS 测试流程图

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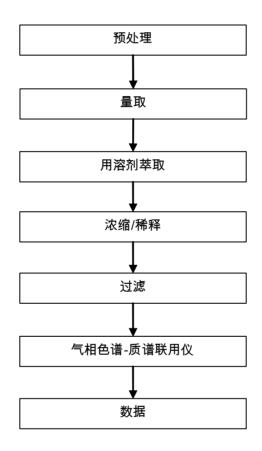
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# PAHs 测试流程图

1) 分析人员:张金花 2) 项目负责人:刘琼





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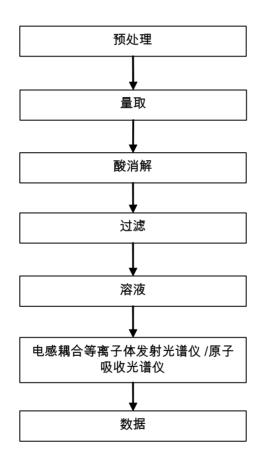
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# 元素测试流程图

1) 分析人员:张梓路2) 项目负责人:汪丹





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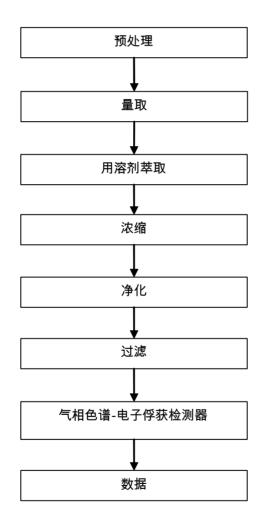
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# SCCP/MCCP/LCCP 测试流程图

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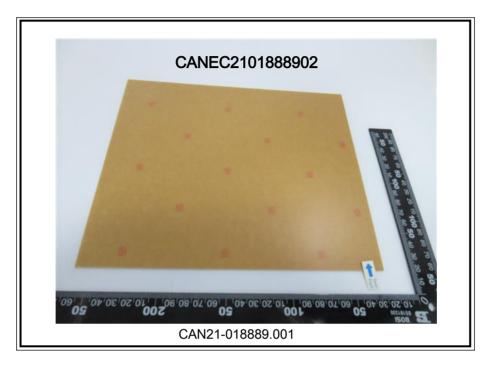
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