

## 测试报告 (SVHC)

No. CANML1207807502

日期: 2012年06月21日 第1页,共9页

广州市百庄复合材料有限公司  
广州市百庄电子科技有限公司  
中国广东省广州市黄埔区南岗镇万好万家商务写字楼A栋501-503

以下测试之样品是由申请者所提供及确认: PU 水晶胶

SGS工作编号: GC120602009 - GZ

内部编号: 2.2

样品接收日期: 2012年06月15日

测试周期: 2012年06月15日 - 2012年06月21日

测试要求: 根据客户要求,  
(i) 基于欧洲化学品管理署截止2011年12月19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73种高关注物质进行筛分测试。

测试结果: 请参见下一页

总结:

根据具体的测试范围和分析技术, 委托样品中测试的高关注物质浓度都 $\leq 0.1\%$ 。

通过

通标标准技术服务有限公司

授权签名



David Zhou周颂盈

批准签署人

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## 测试报告 (SVHC)

No. CANML1207807502

日期: 2012年06月21日 第2页,共9页

### 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) 关于物品:  
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。

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。

SGS采用ECHA对物品中SVHC的解释, 除非另有说明。详细的解释请见下列网址:  
[http://webstage.contribute.sgs.net/corpreach/documents/SGS-CTS\\_SVHC-paper-EN-11.pdf](http://webstage.contribute.sgs.net/corpreach/documents/SGS-CTS_SVHC-paper-EN-11.pdf)

- (3) 关于材料:  
报告中的测试结果是基于测试样品。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。

- (4) 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法规和欧盟委员会条例第790/2009号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)以符合供应链传递信息的义务, 如:  
- 根据欧盟第1272/2008号CLP法规被列为有害物质。

- 根据危险混合物指令1999/45/EC或欧盟第1272/2008号CLP法规被列为危险混合物, 而其浓度大于或等于危险混合物指令1999/45/EC第3条(3)中规定的限制数值或欧盟第1272/2008号CLP法规附件六第3部分列出的较低值;或

- 根据危险混合物指令1999/45/EC并未列为危险混合物, 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 $\geq 1\%$ (w/w)或在气体混合物中占体积 $\geq 0.2\%$ , 或  
(b) PBT或vPvB物质, 在固体或液体混合物 (即非气体混合物) 中浓度 $\geq 0.1\%$ (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) 在非气体混合物中的浓度 $\geq 0.1\%$ (w/w), 或  
(d) 设有欧洲范围内工作场所接触限值的物质。

- (5) 如果样品中SVHC的测试结果超过报告限, 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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# 测试报告 (SVHC)

No. CANML1207807502

日期: 2012年06月21日 第3页,共9页

测试样品:

测试样品描述:

样品编号	SGS样品ID	描述
1	CAN12-078075.001	透明物料

测试方法:

SGS内部方法- GZTC CHEM-TOP-092-01, GZTC CHEM-TOP-092-02, 采用 ICP-OES、GC-MS, 比色法/HPLC和UV-VIS分析。

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No. CANML1207807502

日期: 2012年06月21日 第4页,共9页

测试结果: (候选清单中的高关注物质)

物质名称	CAS No.	EC No.	001 浓度 (%)	RL (%)
1,2-苯二酸-二(C6-8支链)烷基酯(富C7)	71888-89-6	276-158-1	ND	0.050
1,2-苯二酸-二(C7-11支链与直链)烷基(醇)酯	68515-42-4	271-084-6	ND	0.050
1,2-二氯乙烷	107-06-2	203-458-1	ND	0.050
1,2,3-三氯丙烷	96-18-4	202-486-1	ND	0.050
1-甲基-2-吡咯烷酮	872-50-4	212-828-1	ND	0.050
4,4'-二氨基-3,3'-二氯二苯甲烷	101-14-4	202-918-9	ND	0.050
2,4-二硝基甲苯	121-14-2	204-450-0	ND	0.050
乙二醇乙醚	110-80-5	203-804-1	ND	0.050
乙二醇乙醚醋酸酯	111-15-9	203-839-2	ND	0.050
2-甲氧基苯胺	90-04-0	201-963-1	ND	0.050
乙二醇单甲醚	109-86-4	203-713-7	ND	0.050
4,4'-二氨基二苯甲烷(MDA)	101-77-9	202-974-4	ND	0.050
对特辛基苯酚	140-66-9	205-426-2	ND	0.050
2,4,6-三硝基-5-叔丁基间二甲苯(二甲苯麝香)	81-15-2	201-329-4	ND	0.050
丙烯酰胺	79-06-01	201-173-7	ND	0.050
C10-13 氯代烃(短链氯化石蜡)	85535-84-8	287-476-5	ND	0.050
硅酸铝耐火陶瓷纤维[含有特定浓度范围的三氧化二铝和二氧化硅(43.5-47 % w/w三氧化二铝 / 49.5-53.5 % w/w二氧化硅, 或45.5-50.5 % w/w三氧化二铝/ 48.5-54 % w/w二氧化硅)]*	650-017-00-8 (Index no.)	-	ND	0.005
硅酸铝耐火陶瓷纤维(含有不确定浓度范围的三氧化二铝和二氧化硅作为主要成分)*	650-017-00-8 (Index no.)	-	ND	0.005

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物质名称	CAS No.	EC No.	001 浓度 (%)	RL (%)
重铬酸铵*	7789-09-5	232-143-1	ND	0.005
蒽	120-12-7	204-371-1	ND	0.050
蒽油*	90640-80-5	292-602-7	ND	0.050
蒽油, 蒽糊*	90640-81-6	292-603-2	ND	0.050
蒽油, 蒽糊, 蒽馏分*	91995-15-2	295-275-9	ND	0.050
蒽油, 蒽糊, 轻油*	91995-17-4	295-278-5	ND	0.050
蒽油, 含蒽量少*	90640-82-7	292-604-8	ND	0.050
砷酸*	7778-39-4	231-901-9	ND	0.005
邻苯二甲酸丁苄酯(BBP)	85-68-7	201-622-7	ND	0.050
邻苯二甲酸二(2-乙基己基)酯(DEHP)	117-81-7	204-211-0	ND	0.050
二乙二醇二甲醚	111-96-6	203-924-4	ND	0.050
邻苯二甲酸二甲氧基乙酯	117-82-8	204-212-6	ND	0.050
氧化双三丁基锡(TBTO)	56-35-9	200-268-0	ND	0.050
硼酸*	10043-35-3 11113-50-1	233-139-2 234-343-4	ND	0.005
砷酸钙*	7778-44-1	231-904-5	ND	0.005
铬酸, 铬酸及重铬酸低聚物, 重铬酸*	7738-94-5 13530-68-2	231-801-5 236-881-5	ND	0.005
三氧化铬*	1333-82-0	215-607-8	ND	0.005
碳酸钴*	513-79-1	208-169-4	ND	0.005
乙酸钴*	71-48-7	200-755-8	ND	0.005
二氯化钴*	7646-79-9	231-589-4	ND	0.005
硝酸钴*	10141-05-6	233-402-1	ND	0.005
硫酸钴*	10124-43-3	233-334-2	ND	0.005

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日期: 2012年06月21日 第6页,共9页

物质名称	CAS No.	EC No.	001 浓度 (%)	RL (%)
五氧化二砷*	1303-28-2	215-116-9	ND	0.005
三氧化二砷*	1327-53-3	215-481-4	ND	0.005
邻苯二甲酸二丁酯(DBP)	84-74-2	201-557-4	ND	0.050
铬酸铬*	24613-89-6	246-356-2	ND	0.005
邻苯二甲酸二异丁酯	84-69-5	201-553-2	ND	0.050
无水四硼酸钠*	1303-96-4 1330-43-4 12179-04-3	215-540-4	ND	0.005
甲醛与苯胺的低聚物	25214-70-4	500-036-1	ND	0.050
六溴环十二烷(HBCDD) 及其非对映异构体( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD) $\Delta$	25637-99-4 3194- 55-6	247-148-4 221-695-9	ND	0.050
联氨	7803-57-8 302-01-2	206-114-9	ND	0.050
铬酸铅*	7758-97-6	231-846-0	ND	0.005
钼铬红(C.I.颜料红104)*	12656-85-8	235-759-9	ND	0.005
叠氮化铅*	13424-46-9	236-542-1	ND	0.005
苦味酸铅*	6477-64-1	229-335-2	ND	0.005
砷酸氢铅*	7784-40-9	232-064-2	ND	0.005
史蒂芬酸铅*	15245-44-0	239-290-0	ND	0.005
铅铬黄(C.I.颜料黄34)*	1344-37-2	215-693-7	ND	0.005
N,N-二甲基乙酰胺	127-19-5	204-826-4	ND	0.050
氢氧化铬酸锌*	49663-84-5	256-418-0	ND	0.005
酚酞	77-09-8	201-004-7	ND	0.050
沥青, 煤焦油, 高温*	65996-93-2	266-028-2	ND	0.050
铬酸钾*	7789-00-6	232-140-5	ND	0.005
重铬酸钾*	7778-50-9	231-906-6	ND	0.005

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日期: 2012年06月21日 第7页,共9页

物质名称	CAS No.	EC No.	001 浓度 (%)	RL (%)
氢氧化铬酸锌钾*	11103-86-9	234-329-8	ND	0.005
铬酸钠*	7775-11-3	231-889-5	ND	0.005
重铬酸钠*	7789-12-0 10588-01-9	234-190-3	ND	0.005
铬酸锶*	7789-06-2	232-142-6	ND	0.005
水合硼酸钠*	12267-73-1	235-541-3	ND	0.005
三氯乙烯	79-01-6	201-167-4	ND	0.050
三乙基砷酸酯*	15606-95-8	427-700-2	ND	0.005
砷酸铅*	3687-31-8	222-979-5	ND	0.005
磷酸三(2-氯乙基)酯	115-96-8	204-118-5	ND	0.050
氧化锆硅酸铝耐火陶瓷纤维[含有特定浓度范围的三氧化二铝, 二氧化硅和氧化锆(35-36% w/w三氧化二铝 / 47.5-50% w/w二氧化硅 / 15-17% w/w氧化锆)]*	650-017-00-8 (Index no.)	-	ND	0.005
氧化锆硅酸铝耐火陶瓷纤维(含有不确定浓度范围的三氧化二铝, 二氧化硅和氧化锆作为主要成分)*	650-017-00-8 (Index no.)	-	ND	0.005

## 注释:

1. RL = 报告极限值, 所有RL是基于均一材质的测试。ND = 未检出(< RL), ND针对SVHC物质。
2. Δ 六溴环十二烷(HBCDD) 的非对映异构体α-HBCDD、β-HBCDD、γ-HBCDD的CAS NO分别为134237-50-6、134237-51-7、134237-52-8。
3. \* 测试结果是由选定的元素或标记物的结果并基于最坏的情况计算得出。详细信息请参见SGS REACH网站: [www.reach.sgs.com/substance-of-very-high-concern-analysis-information-page.htm](http://www.reach.sgs.com/substance-of-very-high-concern-analysis-information-page.htm)
4. RL = 0.005% 是针对元素(例如钴、砷、铅、钠、铬、铬(VI)、硅、铝、锆、硼、钾、锶、锌和钙), 除了钼的RL= 0.0005%。
5. 硼酸、无水四硼酸钠和水合硼酸钠的结果由ICP-OES测试的水提取的硼元素、钠元素结果换算得出。
6. 本测试报告内容是参照报告编号为CANML1207807501的中文译本, 中英文版本如有歧异, 概以英文版为准。

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## 测试报告 (SVHC)

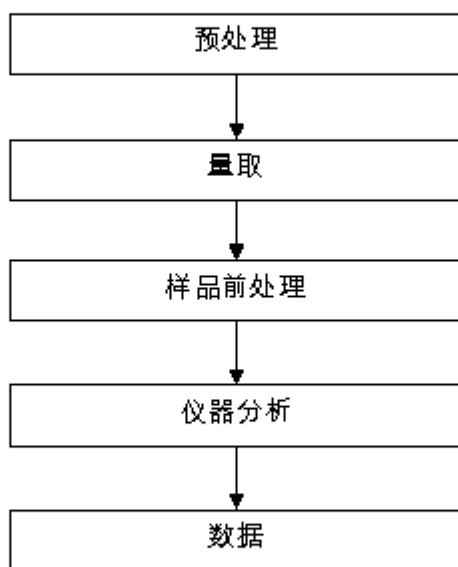
No. CANML1207807502

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### 附件

### SVHC 测试流程图

- 1) 分析人员: 汪丹/赵瑞娜
- 2) 项目负责人: 余奕东/杨伟兴



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