

## 测试报告 (SVHC)

No. SHAEC1101620908

日期: 2011年02月24日 第1页,共6页

山东太阳纸业股份有限公司  
中国山东省兖州市友谊路1号

以下测试之样品是由申请者所提供及确认: 铜版纸

SGS工作编号: SP11-002812 - SH  
成分: 商品木浆、碳酸钙  
样品接收日期: 2011年02月17日  
测试周期: 2011年02月17日 - 2011年02月23日  
测试要求: 根据客户要求,  
(i) 基于欧洲化学品管理署截止2010年12月15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46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, 样品中测试的高关注物质浓度都 $\leq$ 0.1%.	PASS
---	------

通标标准技术服务有限公司  
授权签名



Fan Jingjie, JJ 范晶捷  
批准签署人

本报告是发布日期为2011年02月24日编号为SHAEC1101620907 英文检测报告的中文译本。如有异议, 以英文版本为准。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



## 测试报告 (SVHC)

No. SHAEC1101620908

日期: 2011年02月24日 第2页,共6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/chem\\_data/authorisation\\_process/candidate\\_list\\_table\\_en.asp](http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp)  
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) 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。
- (3) 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, 以使物品用安全, 这些信息至少包括含有的候选清单中物质的名称。
- (4) 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。

### 测试样品:

#### 样品部件外观描述:

样品编号	SGS样品ID	描述
1	SHA11-016209.002	白色纸

### 测试方法:

SGS内部方法- SHTC-CHEM-SOP-97-T, SHTC-CHEM-SOP-302-T, 采用 ICP-OES、GC-MS和UV-VIS分析。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



测试结果:(候选清单中的高关注物质)

物质名称	CAS No.	EC No.	002 浓度 (%)	RL (%)
2,4-二硝基甲苯	121-14-2	204-450-0	ND	0.050
2-乙氧基乙醇	110-80-5	203-804-1	ND	0.050
2-甲氧基乙醇	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
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*	650-017-00-8 (Index no.)	-	ND	0.005
重铬酸铵*	7789-09-5	232-143-1	ND	0.005
葱	120-12-7	204-371-1	ND	0.050
葱油*	90640-80-5	292-602-7	ND	0.050
葱油, 葱糊*	90640-81-6	292-603-2	ND	0.050
葱油, 葱糊, 葱馏分*	91995-15-2	295-275-9	ND	0.050
葱油, 葱糊, 轻油*	91995-17-4	295-278-5	ND	0.050
葱油, 含葱量少*	90640-82-7	292-604-8	ND	0.050
邻苯二甲酸丁酯苝酯(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
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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.



## 测试报告 (SVHC)

No. SHAEC1101620908

日期: 2011年02月24日 第4页,共6页

物质名称	CAS No.	EC No.	002 浓度 (%)	RL (%)
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
二氯化钴*	7646-79-9	231-589-4	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
硝酸钴*	10141-05-6	233-402-1	ND	0.005
硫酸钴*	10124-43-3	233-334-2	ND	0.005
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
邻苯二甲酸二异丁酯(DIBP)	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
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 and 3194-55-6	247-148-4 and 221-695-9	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
砷酸氢铅*	7784-40-9	232-064-2	ND	0.005
铅铬黄(C.I. 颜料黄34)*	1344-37-2	215-693-7	ND	0.005
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
铬酸钠*	7775-11-3	231-889-5	ND	0.005

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.



测试报告  
(SVHC)

No. SHAEC1101620908

日期: 2011年02月24日 第5页,共6页

物质名称	CAS No.	EC No.	002 浓度 (%)	RL (%)
重铬酸钠*	7789-12-0 and 10588-01-9	234-190-3	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
三乙基硼酸酯*	15606-95-8	427-700-2	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*	650-017-00-8 (Index no.)	-	ND	0.005

注释:

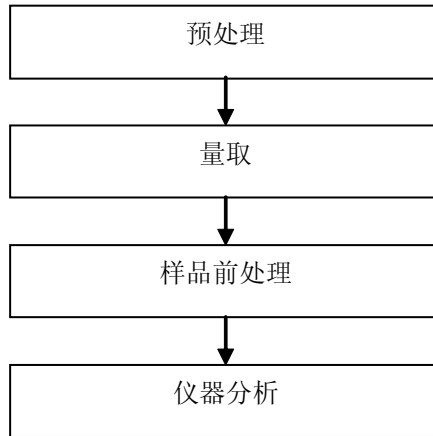
- (1) RL = 报告极限值, 所有RL是基于均一材质的测试。  
ND = 未检出 (< RL), ND针对化合物。
- (2)  $\Delta$  六溴环十二烷(HBCDD) 的非对映异构体 $\alpha$ -HBCDD、 $\beta$ -HBCDD、 $\gamma$ -HBCDD的CAS NO分别为134237-50-6、134237-51-7、134237-52-8。
- (3) \* 测试结果是由选定的元素或标记物的结果并基于最坏的情况计算得出。详细信息请参见SGS REACH网站:  
[www.reach.sgs.com/substance-of-very-high-concern-analysis-information-page.htm](http://www.reach.sgs.com/substance-of-very-high-concern-analysis-information-page.htm)  
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。  
RL = 0.005% 是针对元素(例如钴、砷、铅、钠、铬、铬(VI)、硅、铝、锆、硼和钾), 除了钨的RL= 0.0005%。

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

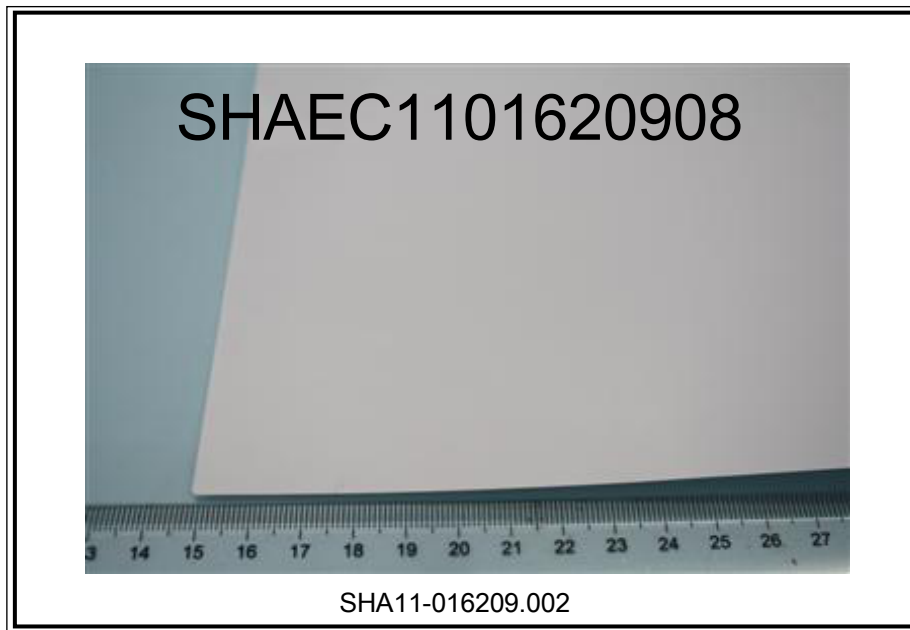


## SVHC 测试流程图

- 1) 分析人员: 徐双/钟艳
- 2) 项目负责人: 连超锋/刘娟



样品照片:



此照片仅限于随SGS正本报告使用

\*\*\* 报告完 \*\*\*

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [http://www.sgs.com/terms\\_and\\_conditions.htm](http://www.sgs.com/terms_and_conditions.htm) and for electronic format documents, subject to Terms and Conditions for Electronic Documents at [www.sgs.com/terms\\_e-document.htm](http://www.sgs.com/terms_e-document.htm). Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

