

测试报告

No. SH9157643/CHEM

Date: Aug. 17, 2009

Page 1 of 4

旭化成精细化工(南通)有限公司  
上海漕宝路 500 号 8 号楼 4 楼

委托检验的样品及客户对样品的说明如下:

样品名称 : TPA-100  
SGS 相关号 : 12098398-1  
型号 : 90171B1  
主要成份 : 聚异氰酸酯

样品收到日期 : 2009-08-13  
样品试验日期 : 2009-08-13—2009-08-17

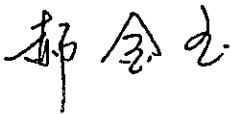
试验要求 : 参照 RoHS 指令 2002/95/EC 及后续修正指令.

试验方法 : 参照 IEC 62321:2008:  
(1) 用 ICP-OES 测定镉的含量  
(2) 用 ICP-OES 测定铅的含量  
(3) 用 ICP-OES 测定汞的含量  
(4) 用比色法测定六价铬的含量  
(5) 用 GC/MS 测定 PBBs(多溴联苯)和 PBDEs(多溴二苯醚) 的含量

试验结果 : 见后续页

试验结论 : 基于所送样品进行的测试, 测试结果与欧盟 RoHS 指令 2002/95/EC 以及后续修正指令的要求相符。

SGS-CSTC 化学实验室授权签字



郝金玉  
实验室经理

根据客户申请, SGS 出具了此中文报告; 英文版本可根据客户要求提供。(The Chinese test report is issued according to the applicant's request. The English version is available from SGS if further needed.)

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, jurisdiction 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.

SHCHEM 2830113

化学方法的试验结果 (单位: mg/kg)

测试项目:	方法 (参见)	1	MDL	RoHS 限值
镉(Cd)	(1)	ND	2	100
铅(Pb)	(2)	ND	2	1000
汞(Hg)	(3)	ND	2	1000
碱性溶液萃取测六价铬(Cr VI)	(4)	ND	2	1000
多溴联苯(PBBs)之和	(5)	ND	-	1000
一溴联苯		ND	5	-
二溴联苯		ND	5	-
三溴联苯		ND	5	-
四溴联苯		ND	5	-
五溴联苯		ND	5	-
六溴联苯		ND	5	-
七溴联苯		ND	5	-
八溴联苯		ND	5	-
九溴联苯		ND	5	-
十溴联苯		ND	5	-
多溴二苯醚之和(PBDEs)		ND	-	1000
一溴二苯醚		ND	5	-
二溴二苯醚		ND	5	-
三溴二苯醚		ND	5	-
四溴二苯醚		ND	5	-
五溴二苯醚		ND	5	-
六溴二苯醚		ND	5	-
七溴二苯醚		ND	5	-
八溴二苯醚		ND	5	-
九溴二苯醚	ND	5	-	
十溴二苯醚 ##	ND	5	-	

(所示结果为液体样品总重量中的含量)

测试部件外观描述:

1. 透明液体

备注:

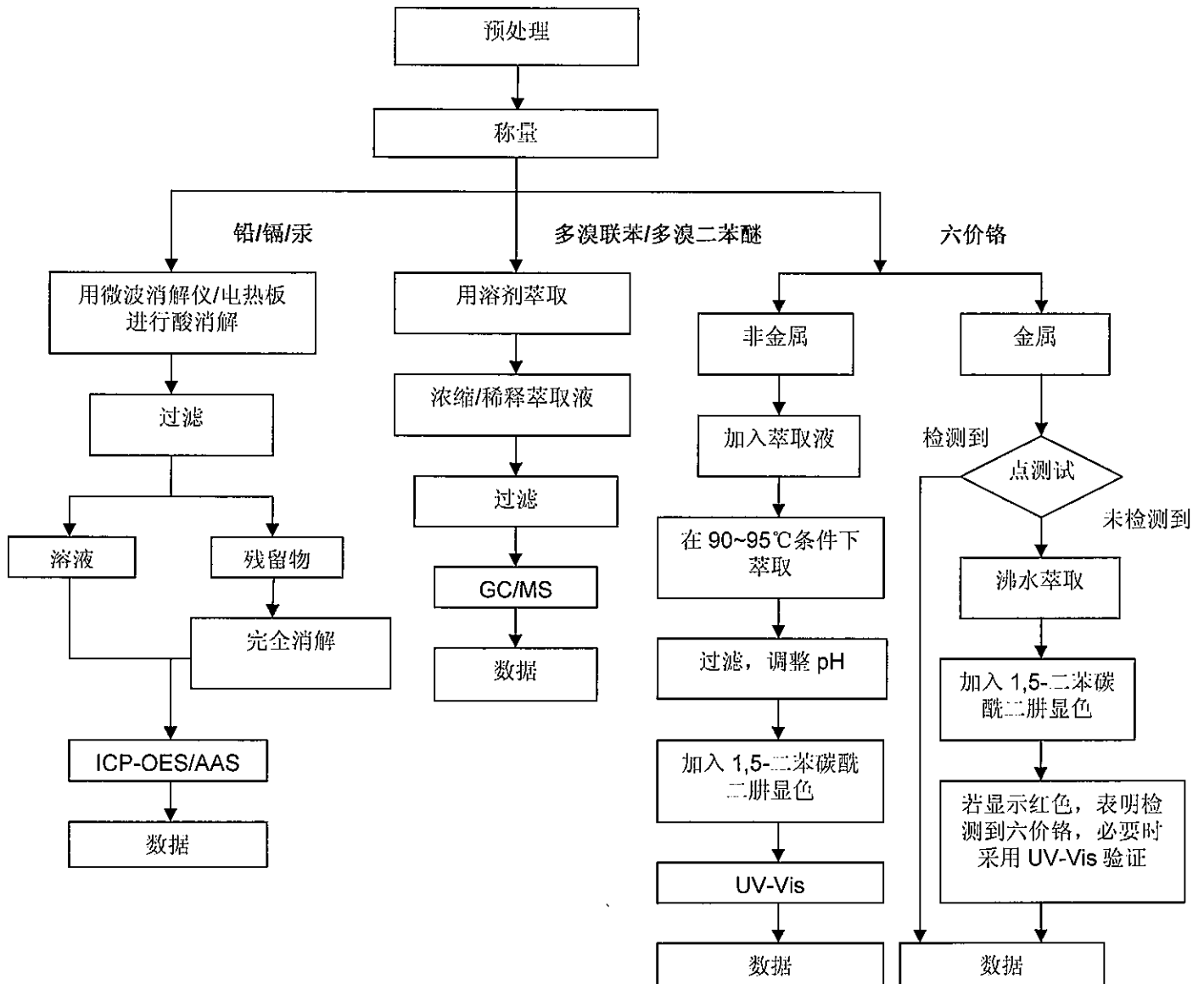
- (1) 毫克每千克=百万分之一(mg/kg=ppm)
- (2) ND = 未检出
- (3) MDL = 检测极限值
- (4) ##=根据欧洲法庭 2008 年 4 月 1 日的决议, 2005/717/EC 中关于聚合物样品中十溴二苯醚的豁免被否决。自 2008 年 7 月 1 日起, 十溴二苯醚已被包含于多溴二苯醚的总和计算之中
- (5) 多溴二苯醚 = 多溴联苯醚
- (6) "-" = 未规定
- (7) 最大允许极限值引用自 2002/95/EC RoHS 指令和后续修正指令 2005/618/EC。

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, jurisdiction 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.

SHCHEM 2830112

## 附件

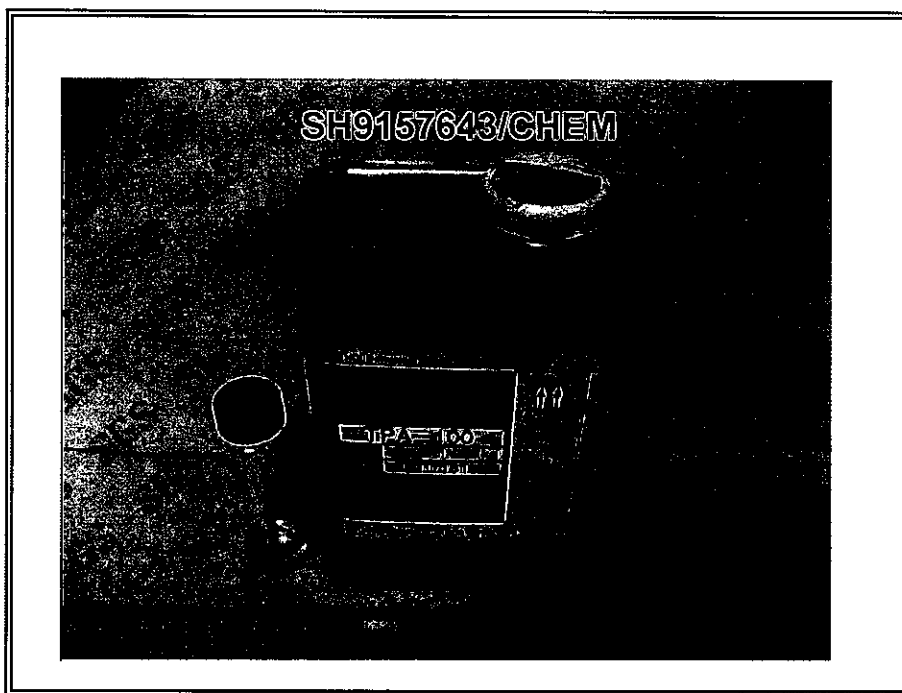
- 1) 分析人员: 张春华/徐双/方何裔/林以琳
- 2) 项目负责人: 王卫/沈建萍
- 3) 样品按照下述流程被完全消解(六价铬和多溴联苯/多溴二苯醚测试除外)。



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, jurisdiction 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 inspection 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.

SHCHEM 2830111

样品照片:



SGS 仅对原报告照片中的样品负责

\*\*\*报告结束\*\*\*

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.