

化學實驗室-高雄

## 測試報告

台灣塑膠工業股份有限公司  
台北市敦化北路201號8樓

報告號碼：KE/2013/11042A-01

日期：2013/01/16

頁數：第 1 頁, 共 6 頁

以下測試樣品係由客戶送樣, 且由客戶聲稱並經客戶確認如下:

樣品名稱	: 台塑鋼.
樣品顏色	: 白色.
樣品型號	: FM130.
樣品材質	: 聚甲醛.
收樣日期	: 2013/01/11.
測試期間	: 2013/01/11 TO 2013/01/16.
送樣廠商	: 台灣塑膠工業股份有限公司.

--- 測試結果請見下頁 ---

  
報告簽署人 / 董展榮 主任



化學實驗室-高雄

## 測試報告

報告號碼：KE/2013/11042A-01

日期：2013/01/16

頁數：第 2 頁, 共 6 頁

### 測試結果：

測試項目	單位	測試方法	MDL	測試結果
雙酚 A	ppm	溶劑萃取, 以液相層析質譜儀檢測.	1	n.d.
六氯苯	ppm	溶劑萃取, 以氣相層析質譜儀檢測.	0.15	n.d.
單丁基錫 (MBT)	ppm	參考ISO 17353方法, 以氣相層析儀/火焰光度偵測器檢測.	0.015	n.d.
四丁基錫 (TeBT)	ppm	參考ISO 17353方法, 以氣相層析儀/火焰光度偵測器檢測.	0.03	n.d.
單辛基錫 (MOT)	ppm	參考ISO 17353方法, 以氣相層析儀/火焰光度偵測器檢測.	0.03	n.d.
三辛基錫(TOT)	ppm	參考ISO 17353方法, 以氣相層析儀/火焰光度偵測器檢測.	0.03	n.d.
三環己基錫 (TCyT)	ppm	參考ISO 17353方法, 以氣相層析儀/火焰光度偵測器檢測.	0.03	n.d.
可塑劑	---	---	---	---
鄰苯二甲酸二(2-乙基己基)酯 (DEHP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二異癸酯(DIDP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	100	n.d.
鄰苯二甲酸二正辛酯 (DNOP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二丁酯 (DBP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸丁酯苯甲酯 (BBP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明, 此報告結果僅對測試之樣品負責。本報告未經本公司書面許可, 不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [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.

化學實驗室-高雄

## 測試報告

報告號碼：KE/2013/11042A-01

日期：2013/01/16

頁數：第 3 頁, 共 6 頁

測試項目	單位	測試方法	MDL	測試結果
鄰苯二甲酸二異壬酯 (DINP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	100	n.d.
鄰苯二甲酸二環己酯 (DCHP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸-單-乙基己基酯(MEHP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二戊酯(DPP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二丙酯 (DPrP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二乙酯 (DEP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二正己酯 (DNHP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二庚酯(DHpP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二正壬酯 (DNNP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二異辛酯 (DIOP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	100	n.d.
鄰苯二甲酸二苯酯 (DPhP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二(2-甲氧基乙基)酯 (DMEP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
對苯二甲酸(2-乙基己)酯(DEHT)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二甲酯 (DMP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [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.

化學實驗室-高雄

## 測試報告

報告號碼：KE/2013/11042A-01

日期：2013/01/16

頁數：第 4 頁, 共 6 頁

測試項目	單位	測試方法	MDL	測試結果
己二酸二(2-乙基己基)酯(DEHA)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二苯甲酯(DBZP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸戊酯異戊酯(iPnPP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸二異戊酯(DiPP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
鄰苯二甲酸雙十一烷基酯(DUDP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	100	n.d.
鄰苯二甲酸二異丁酯 (DIBP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	30	n.d.
1,2-苯二酸-二(C6-8支鏈)烷基酯(富C7) (DIHP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	100	n.d.
1,2-苯二酸-二(C7-11支鏈與直鏈)烷基(醇)酯 (DHNUP)	ppm	參考EN 14372方法, 以氣相層析質譜儀檢測.	100	n.d.
多苯環芳香族化合物(PAHs)	---	---	---	---
ACENAPHTHENE (CAS NO. 000083-32-9)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
ACENAPHTHYLENE (CAS NO. 000208-96-8)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
ANTHRACENE (CAS NO. 000120-12-7)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
BENZO[a]ANTHRACENE (CAS NO.000056-55-3 )	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
BENZO(a)PYRENE(BaP) (CAS NO.: 000050-32-8)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明, 此報告結果僅對測試之樣品負責。本報告未經本公司書面許可, 不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [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.

# 測試報告

報告號碼：KE/2013/11042A-01

日期：2013/01/16

頁數：第 5 頁, 共 6 頁

測試項目	單位	測試方法	MDL	測試結果
BENZO[e]PYRENE (CAS NO. 000192-97-2)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
BENZO[b]FLUORANTHENE (CAS NO.000205-99-2)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
BENZO[g,h,i]PERYLENE (CAS NO. 000191-24-2)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
BENZO[k]FLUORANTHENE (CAS NO.000207-08-9)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
BENZO[j]FLUORANTHENE (CAS NO.000205-82-3)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
CHRYSENE (CAS NO.000218-01-9)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
DIBENZO[a,h]ANTHRACENE (CAS NO. 000053-70-3)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
FLUORANTHENE (CAS NO.000206-44-0)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
FLUORENE (CAS NO.000086-73-7)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
INDENO[1,2,3-c,d]PYRENE (CAS NO. 000193-39-5)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
NAPHTHALENE (CAS NO.000091-20-3)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
PHENANTHRENE (CAS NO.000085-01-8)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.
PYRENE (CAS NO.000129-00-0)	ppm	參考ZEK 01.4-08方法, 以氣相層析質譜儀檢測.	0.2	n.d.

備註 (1) : ppm = mg/kg

備註 (2) : MDL = 方法偵測極限值

備註 (3) : n.d. = 未偵測出

備註 (4) : 此為2013/01/16所發行KE/2013/11042之加發報告, 原始資料請參考KE/2013/11042。

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明, 此報告結果僅對測試之樣品負責。本報告未經本公司書面許可, 不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [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.

報告號碼：KE/2013/11042A-01

日期：2013/01/16

頁數：第 6 頁, 共 6 頁

### 樣品照片

## KE/2013/11042



\*\* 報告結尾 \*\*

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. This test report cannot be reproduced, except in full, without prior written permission of the Company. 除非另有說明，此報告結果僅對測試之樣品負責。本報告未經本公司書面許可，不可部分複製。  
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at [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.