

## 試驗報告

KE/2019/12238A-01

日期：2019/01/29

頁數 1 of 3

台灣塑膠工業股份有限公司  
台北市敦化北路 201 號 8 樓

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：

產品名稱	：	台塑鋼
產品顏色	：	本色
型號	：	FM130
樣品材質	：	聚甲醛
送樣廠商	：	台灣塑膠工業股份有限公司
樣品接收日期	：	2019/01/23
測試期間	：	2019/01/23 ~ 2019/01/29

測試方法及結果： 請參見下一頁

本報告為 KE/2019/12238 之加發報告，報告加發日期 2019 年 01 月 29 日。

張伯睿

報告簽署人/張伯睿 博士/技術經理  
化學實驗室-高雄



# 試驗報告

KE/2019/12238A-01

日期：2019/01/29

頁數 2 of 3

## 測試結果：

### EN71-3:2013+A3:2018 – 可遷移元素

種類 III: 可刮取的玩具材料

測試方法：參考 EN 71-3:2013+A3:2018 以 ICP-OES 分析。有機錫以 GC-MS 分析，三價鉻及六價鉻以 LC-ICP-MS 分析。

測試項目	測試結果 (mg/kg)	報告極限 (mg/kg)	參考限值** (mg/kg)
	1		
鋁 (Al)	n.d.	50	70,000
銻 (Sb)	n.d.	10	560
砷 (As)	n.d.	10	47
鋇 (Ba)	n.d.	50	18,750
硼 (B)	n.d.	50	15,000
鎘 (Cd)	n.d.	5	17
三價鉻 (Cr (III))	n.d.	5	460
六價鉻 (Cr (VI))	n.d.	0.18	0.2
鈷 (Co)	n.d.	10	130
銅 (Cu)	n.d.	50	7,700
鉛 (Pb)	n.d.	10	23
錳 (Mn)	n.d.	50	15,000
汞 (Hg)	n.d.	10	94
鎳 (Ni)	n.d.	10	930
硒 (Se)	n.d.	10	460
銻 (Sr)	n.d.	50	56,000
鋅 (Zn)	n.d.	50	46,000
錫 (Sn)	n.d.	4.9	180,000
有機錫	n.d.	--	12

測試項目	有機錫測試結果 (mg/kg)		方法偵測極限 (mg/kg)
		1	
單甲基錫 (MeT)		n.d.	0.5
二丙基錫 (DProT)		n.d.	0.5
單丁基錫 (BuT)		n.d.	0.5
二丁基錫 (DBT)		n.d.	0.5
三丁基錫 (TBT)		n.d.	0.5
單辛基錫 (MOT)		n.d.	0.5
四丁基錫 (TeBT)		n.d.	0.5
二苯基錫 (DPhT)		n.d.	0.5
二辛基錫 (DOT)		n.d.	0.5
三苯基錫 (TPhT)		n.d.	0.5

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.

## 試驗報告

KE/2019/12238A-01

日期：2019/01/29

頁數 3 of 3

樣品描述：

1. 本色聚甲醛

備註：- mg/kg = 毫克/公斤

- n.d. = 未檢出

注釋：\*\* = 此樣品不適用歐盟指令 2009/48/EC 及其修訂案 (EU) 2017/738 的玩具材質範圍。

樣品照片：

# KE/2019/12238



SGS 僅對原報告照片中的樣品負責

\*\*\*報告結束\*\*\*

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.