

試驗報告

KE/2019/12228A-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	:	FM090
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/2019/12228 之加發報告，報告加發日期 2019 年 01 月 29 日。

張伯睿

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化學實驗室-高雄



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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
銦 (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

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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/2019/12228



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