

# 測試報告

## Test Report

號碼：CY/2016/40581

日期：2016/04/28

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保旺塑膠有限公司

PROWANG PLASTIC CO., LTD.

雲林縣大埤鄉豐田工業區豐田路55號

NO. 55, FENGTIAN RD., DAPI SHIANG, YUNLIN COUNTY 63147, TAIWAN



以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as):

送樣廠商(Sample Submitted By) : 保旺塑膠有限公司 (PROWANG PLASTIC CO., LTD.)  
 樣品名稱(Sample Description) : PVC硬殼板(共擠)  
 樣品型號(Style/Item No.) : 5MM  
 生產或供應廠商(Manufacturer/Vendor) : 保旺塑膠有限公司 (PROWANG PLASTIC CO., LTD.)  
 原產國(Country of Origin) : 台灣 (TAIWAN)  
 收件日期(Sample Receiving Date) : 2016/04/20  
 測試期間(Testing Period) : 2016/04/20 TO 2016/04/28

測試需求(Test Requested):

- ◆ 依據客戶指定，於送測樣品中選擇部位做檢測，以符合政府法律110-314(CPSIA)。 / As specified by client, selected parts of the submitted sample(s) for compliance with Public Law 110-314 (Consumer Product Safety Improvement Act of 2008, CPSIA):
  - 鉛含量檢測(基材) / Lead in accessible substrate materials
  - 可塑劑含量檢測 / Phthalates (DBP, BBP, DEHP, DIDP, DINP, DNOP)
- ◆ 依據客戶指定，參考ASTM F963-11測試重金屬溶出。 / As specified by client, with reference to ASTM F963-11 - Soluble Heavy Metals.

測試結果(Test Results) : 請見下一頁 (Please refer to next pages).

總結(Summary) :

測試類別(Test Parameter)	結論(Conclusion)
鉛含量檢測(基材) / Lead in accessible substrate materials	通過(PASS)
可塑劑含量檢測 / Phthalates (DBP, BBP, DEHP, DIDP, DINP, DNOP)	通過(PASS)
重金屬溶出	通過(PASS)

  
 Troy Chang / Manager - Tech  
 Signed for and on behalf of  
 SGS TAIWAN LTD.  
 Chemical Laboratory - Taipei

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### 測試結果(Test Results)

測試部位(PART NAME) No. 1 : 白色塊狀 (WHITE LUMP)

#### 鉛含量檢測(基材) / Lead in accessible substrate materials

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)	CPSIA 限值 (Limit)
				No. 1	
鉛 / Lead (Pb)	mg/kg	參考CPSC-CH-E1002-08.3 (2012), 以感應耦合電漿原子發射光譜儀檢測. / With reference to CPSC-CH-E1002-08.3 (2012). Analysis was performed by ICP-AES.	2	n. d.	100
Comment				PASS	-

#### 重金屬溶出 / Soluble Heavy Metals

通過(PASS)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)	ASTM 限值 (Limit)
				No. 1	
溶出銻 / Soluble Antimony (Sb)	mg/kg	參考ASTM F963 (2011) Clause 8.3, 以感應耦合電漿原子發射光譜儀檢測. / With reference to ASTM F963 (2011) Clause 8.3. Analysis was performed by ICP-AES.	5	n. d.	60
溶出砷 / Soluble Arsenic (As)	mg/kg		2.5	n. d.	25
溶出鋇 / Soluble Barium (Ba)	mg/kg		10	n. d.	1000
溶出鎘 / Soluble Cadmium (Cd)	mg/kg		5	n. d.	75
溶出鉻 / Soluble Chromium (Cr)	mg/kg		5	n. d.	60
溶出鉛 / Soluble Lead (Pb)	mg/kg		5	n. d.	90
溶出汞 / Soluble Mercury (Hg)	mg/kg		5	n. d.	60
溶出硒 / Soluble Selenium (Se)	mg/kg		5	n. d.	500

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### 可塑劑含量檢測 / Phthalates

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)	CPSIA 限值 (Limit)
				No. 1	
鄰苯二甲酸丁苯甲酯 / BBP (Butyl benzyl phthalate) (CAS No.: 85-68-7)	%	參考CPSC-CH-C1001-09.3 (2010), 以氣相層析/質譜儀檢測. / With reference to CPSC-CH-C1001-09.3 (2010). Analysis was performed by GC/MS.	0.01	n. d.	0.1
鄰苯二甲酸二丁酯 / DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	%		0.01	n. d.	0.1
鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%		0.01	n. d.	0.1
鄰苯二甲酸二異癸酯 / DIDP (Di-isodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1)	%		0.01	n. d.	0.1
鄰苯二甲酸二異壬酯 / DINP (Di-isononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0)	%		0.01	n. d.	0.1
鄰苯二甲酸二正辛酯 / DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0)	%		0.01	n. d.	0.1
Comment				PASS	-

### 備註(Note):

1. mg/kg = ppm; 0.1wt% = 1000ppm
2. MDL = Method Detection Limit / 方法偵測極限值
3. n. d. = Not Detected (<MDL) / 未檢出
4. "-" = Not Regulated / 無規格值

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\* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 \*

(The tested sample / part is marked by an arrow if it's shown on the photo.)

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\*\* 報告結尾 (End of Report) \*\*

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