



測試報告 Test Report

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祐丞科技有限公司

YUO CHENG CO., LTD.

彰化縣和美鎮和厝路二段767號

NO. 767, SEC. 2, HECUO RD., HEMEI TOWN, CHANGHUA COUNTY 508, 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) :

樣品名稱(Sample Description) : HOT STAMPING FOIL FILM FOR TEXTILE (部份轉寫膜)
樣品型號(Style/Item No.) : 五彩 (OILY EFFECT FOIL)
原產國(Country of Origin) : 台灣 (TW)
收件日期(Sample Receiving Date) : 2013/04/03
測試期間(Testing Period) : 2013/04/03 TO 2013/04/16

測試需求(Test Requested) :

- (1) 依據客戶指定, 檢測可塑劑含量. (As specified by client, determine Phthalates content in the submitted sample(s).)
 - 鄰苯二甲酸甲苯基丁酯 / BBP (Benzyl butyl phthalate)、鄰苯二甲酸二 (2-乙基己基) 酯 / DEHP (Di- (2-ethylhexyl) phthalate)
 - 鄰苯二甲酸二異癸酯 / DIDP (Di-isodecyl phthalate)、鄰苯二甲酸二異壬酯 / DINP (Di-isononyl phthalate)
 - 鄰苯二甲酸二正辛酯 / DNOP (Di-n-octyl phthalate)、鄰苯二甲酸二丁酯 / DBP (Dibutyl phthalate)
- (2) 依據客戶指定, 檢測重金屬特定遷移量及溶出有機錫. (As specified by client, to test Migration of heavy metals and Soluble Organic Tin in the submitted sample.)

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


James Lu / Sr. Supervisor
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 : 多彩塑膠膜 (MULTICOLORED PLASTIC FILM)

(1)

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)
				No.1
鄰苯二甲酸甲苯基丁酯 / BBP (Benzyl butyl phthalate) (CAS No.: 85-68-7)	%	參考 EN 14372, 以氣相層析/質譜儀檢測之。 / With reference to EN 14372. Analysis was performed by GC/MS.	0.003	n.d.
鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%		0.003	n.d.
鄰苯二甲酸二異癸酯 / DIDP (Di- isodecyl phthalate) (CAS No.: 26761-40-0)	%		0.01	n.d.
鄰苯二甲酸二異壬酯 / DINP (Di- isononyl phthalate) (CAS No.: 28553-12-0)	%		0.01	n.d.
鄰苯二甲酸二正辛酯 / DNOP (Di-n- octyl phthalate) (CAS No.: 117- 84-0)	%		0.003	n.d.
鄰苯二甲酸二丁酯 / DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	%		0.003	n.d.

(2)

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)
				No.1
溶出鋁 / Soluble Aluminum (Al)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合 電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	50	n.d.
溶出銻 / Soluble Antimony (Sb)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合 電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	10	n.d.

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(2)

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)
				No.1
溶出砷 / Soluble Arsenic (As)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	10	n.d.
溶出鋇 / Soluble Barium (Ba)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	50	n.d.
溶出硼 / Soluble Boron (B)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	50	n.d.
溶出鎘 / Soluble Cadmium (Cd)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	10	n.d.
溶出三價鉻 / Soluble Chromium (III) (Cr (III)) #1	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	5	n.d.
溶出六價鉻 / Soluble Chromium (VI) (Cr (VI))	mg/kg	參考 pr EN 71 Part 3:2012, 以UV/VIS檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by UV/VIS.	0.2	n.d.
溶出鈷 / Soluble Cobalt (Co)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	10	n.d.
溶出銅 / Soluble Copper (Cu)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	50	n.d.

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(2)

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)
				No.1
溶出鉛 / Soluble Lead (Pb)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	10	n.d.
溶出錳 / Soluble Manganese (Mn)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	50	n.d.
溶出汞 / Soluble Mercury (Hg)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	10	n.d.
溶出鎳 / Soluble Nickel (Ni)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	10	n.d.
溶出硒 / Soluble Selenium (Se)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	10	n.d.
溶出銫 / Soluble Strontium (Sr)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	50	n.d.
溶出錫 / Soluble Tin (Sn)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	4.9	n.d.
溶出鋅 / Soluble Zinc (Zn)	mg/kg	參考 pr EN 71 Part 3:2012, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to pr EN 71 Part 3:2012. Analysis was performed by ICP-AES.	50	1150

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(2)

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)
				No.1
溶出有機錫 / Soluble Organic Tin #2	mg/kg	參考 pr EN 71 Part 3:2012, 以氣相層析/ 質譜儀檢測. / With reference to pr EN 71 Part 3:2012. Analysis was performed by GC/MS.	0.5	n.d.

備註(Note) :

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

Remark :

#1= 溶出鉻Soluble Chromium - 溶出六價鉻Soluble Chromium (VI)

#2= 單甲基錫 / Methyl tin, 二丙基錫 / Di-n-propyl tin, 二丁基錫 / Dibutyl tin (DBT), 三丁基錫 / Tributyl Tin (TBT), 單辛基錫 / n-Octyl tin, 四丁基錫 / Tetrabutyl tin (TeBT), 二苯基錫 / Diphenyl tin (DphT), 二辛基錫 / Di-n-octyl tin and 三苯基錫 / Triphenyl Tin (TphT).

上述各項有機錫依據pr EN71-3:2012, 以其相對三丁基錫的分子量比, 修正計算其等效TBT含量. / According to the best of our knowledge, the result calculation of each organic tin is modified from pr EN71-3:2012, and is relative to the molecular weight of Tributyltin (TBT).

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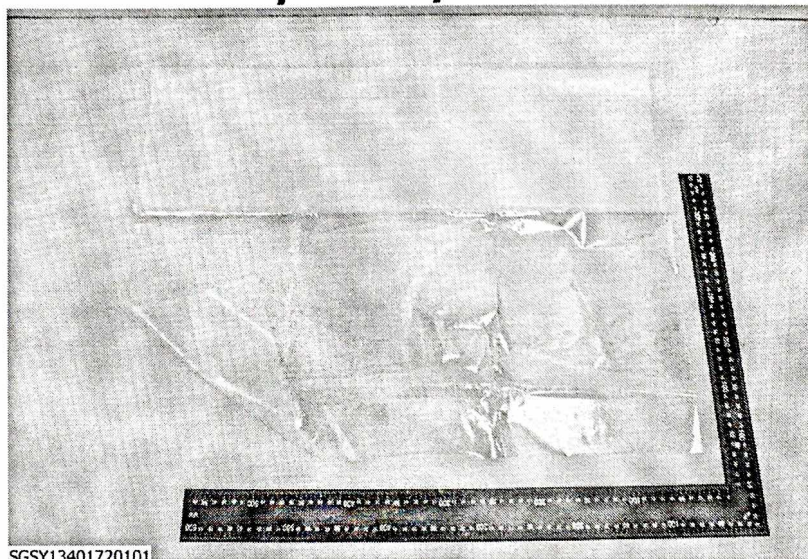
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* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 *

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

CY/2013/40172



SGSY13401720101

** 報告結尾 (End of Report) **

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