

## 測試報告 Test Report

號碼(No.) : CY/2019/90355

日期(Date) : 2019/09/27

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宇祥網版塗料股份有限公司

YU HSING SCREEN & PAINT CO., LTD.

台中市豐原區圓環東路270號

NO. 270, YUAN HUAN E. RD., FENG YUAN DIST., TAIWAN, R. O. C.

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) : 宇祥網版塗料股份有限公司 (YU HSING SCREEN & PAINT CO., LTD.)

樣品名稱(Sample Description) : 客戶自行調配之樣 \ SAMPLE IS BLENDED BY CLIENT

PK-66(C-86)型 透明油墨 \	PK-66(C-86) TRANSPARENT INK
PK-66(C-86)型 特白油墨 \	PK-66(C-86) WHITE INK
PK-66(C-86)型 特黑油墨 \	PK-66(C-86) BLACK INK
PK-66(C-86)型 桔紅油墨 \	PK-66(C-86) SUPER ORANGE INK
PK-66(C-86)型 清紅油墨 \	PK-66(C-86) BRIGHT RED INK
PK-66(C-86)型 金紅油墨 \	PK-66(C-86) GOLD RED INK
PK-66(C-86)型 洋紅油墨 \	PK-66(C-86) MAGENTA INK
PK-66(C-86)型 玫瑰紅油墨 \	PK-66(C-86) ROSE RED INK
PK-66(C-86)型 紫紅油墨 \	PK-66(C-86) PURPLE RED INK
PK-66(C-86)型 紫藍油墨 \	PK-66(C-86) VIOLET INK
PK-66(C-86)型 特藍油墨 \	PK-66(C-86) PERMANENT BLUE INK
PK-66(C-86)型 群藍油墨 \	PK-66(C-86) BRILLIANT BLUE INK
PK-66(C-86)型 特綠油墨 \	PK-66(C-86) PERMANENT GREEN INK
PK-66(C-86)型 中黃油墨 \	PK-66(C-86) GOLDEN YELLOW INK
PK-66(C-86)型 檸檬黃油墨 \	PK-66(C-86) LEMON YELLOW INK
PK-66(C-86)型 四原黑油墨 \	PK-66(C-86) BLACK TIX INK
PK-66(C-86)型 四原黃油墨 \	PK-66(C-86) YELLOW TIX INK
PK-66(C-86)型 四原藍油墨 \	PK-66(C-86) CYAN TIX INK
PK-66(C-86)型 四原紅油墨 \	PK-66(C-86) MAGENTA TIX INK

收件日期(Sample Receiving Date) : 2019/09/20

測試期間(Testing Period) : 2019/09/20 to 2019/09/27

測試需求(Test Requested) : 依據客戶指定, 參考2009/48/EC及其修訂指令(EU) 2017/738 - EN71-3: 2013 + A3: 2018- 特定元素遷移。 / As specified by client, with reference to Directive 2009/48/EC and its amendment Council Directive (EU) 2017/738 - EN71-3: 2013 + A3: 2018 - Migration of certain elements.

測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages).

Troy Chang / Manager - Tec  
Signed for and 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 : 黑色油墨(客戶自行調配之樣品) (BLACK INK (SAMPLE IS BLENDED BY CLIENT))

### Category II

通過(PASS)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	MDL	結果 (Result)	限值 (Limit)
				No. 1	
溶出鋁 / Soluble Aluminum (Al)	mg/kg	參考 EN71-3:2013+A3:2018, 以感應耦合電漿發射光譜儀檢測. / With reference to EN71-3:2013+A3:2018. Analysis was performed by ICP-OES.	50	77.8	1406
溶出銻 / Soluble Antimony (Sb)	mg/kg		1	n. d.	11.3
溶出砷 / Soluble Arsenic (As)	mg/kg		0.5	n. d.	0.9
溶出鋇 / Soluble Barium (Ba)	mg/kg		50	n. d.	375
溶出硼 / Soluble Boron (B)	mg/kg		50	n. d.	300
溶出鎘 / Soluble Cadmium (Cd)	mg/kg		0.1	n. d.	0.3
溶出鈷 / Soluble Cobalt (Co)	mg/kg		0.5	n. d.	2.6
溶出銅 / Soluble Copper (Cu)	mg/kg		50	n. d.	156
溶出鉛 / Soluble Lead (Pb)	mg/kg		0.5	n. d.	0.5
溶出錳 / Soluble Manganese (Mn)	mg/kg		50	n. d.	300
溶出汞 / Soluble Mercury (Hg)	mg/kg		0.5	n. d.	1.9
溶出鎳 / Soluble Nickel (Ni)	mg/kg		10	n. d.	18.8
溶出硒 / Soluble Selenium (Se)	mg/kg		5	n. d.	9.4
溶出鋇 / Soluble Strontium (Sr)	mg/kg		50	n. d.	1125
溶出錫 / Soluble Tin (Sn)	mg/kg		4.9	n. d.	3750
溶出鋅 / Soluble Zinc (Zn)	mg/kg		50	n. d.	938
溶出三價鉻 / Soluble Chromium (III) (Cr (III))	mg/kg	參考 EN71-3:2013+A3:2018, 以液相層析感應耦合電漿質譜儀檢測. / With reference to EN71-3:2013+A3:2018. Analysis was performed by LC-ICP-MS.	5	n. d.	9.4
溶出六價鉻 / Soluble Chromium (VI) (Cr (VI))	mg/kg		0.005	n. d.	0.005

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	MDL	結果 (Result)	限值 (Limit)
				No. 1	
甲基錫 / Methyl tin (MeT)	mg/kg	參考 EN71-3:2013+A3:2018，以氣相層析/質譜儀檢測。 / With reference to EN71-3:2013+A3:2018. Analysis was performed by GC/MS.	0.14	n. d.	-
二丙基錫 / Di-n-propyl tin (DProT)	mg/kg		0.14	n. d.	-
單丁基錫 / Butyl tin (BuT)	mg/kg		0.14	n. d.	-
二丁基錫 / Dibutyl Tin (DBT)	mg/kg		0.14	n. d.	-
三丁基錫 / Tributyl Tin (TBT)	mg/kg		0.14	n. d.	-
單辛基錫 / n-Octyl tin (MOT)	mg/kg		0.14	n. d.	-
四丁基錫 / Tetrabutyltin (TeBT)	mg/kg		0.14	n. d.	-
二苯基錫 / Diphenyltin (DphT)	mg/kg		0.14	n. d.	-
二辛基錫 / Di-n-octyl tin (DOT)	mg/kg		0.14	n. d.	-
三苯基錫 / Triphenyl Tin (TphT)	mg/kg		0.14	n. d.	-
溶出有機錫 / Soluble Organic Tin	mg/kg		-	n. d.	0.2

## 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 = below MDL (未檢出 / 低於MDL)
4. "-" = Not Regulated (無規格值)

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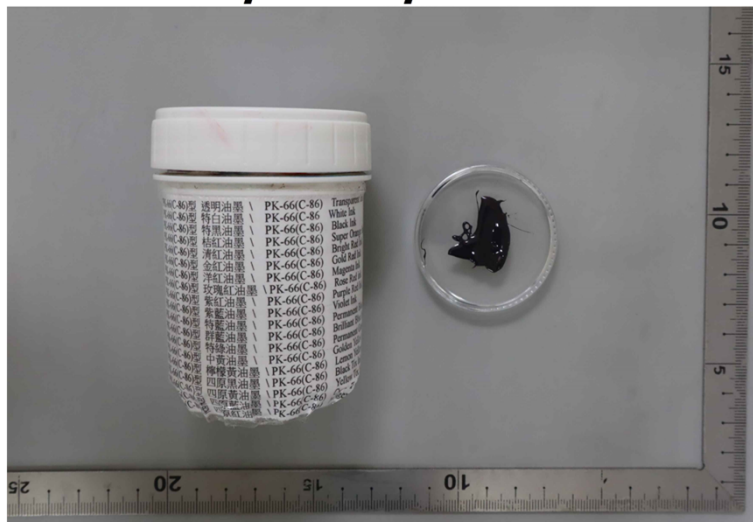
台中市豐原區圓環東路270號

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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/2019/90355



\*\* 報告結尾(End of Report) \*\*

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