

測試報告 Test Report

號碼(No.) : CE/2016/83080

日期(Date) : 2016/08/22

頁數(Page) : 1 of 5

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) :

- A-88型 透明油墨 \ A-88 Transparent Ink
- A-88型 特白油墨 \ A-88 White Ink
- A-88型 特黑油墨 \ A-88 Black Ink
- A-88型 桔紅油墨 \ A-88 Super Orange Ink
- A-88型 清紅油墨 \ A-88 Bright Red Ink
- A-88型 金紅油墨 \ A-88 Gold Red Ink
- A-88型 洋紅油墨 \ A-88 Magenta Ink
- A-88型 玫瑰紅油墨 \ A-88 Rose Red Ink
- A-88型 紫紅油墨 \ A-88 Purple Red Ink
- A-88型 紫藍油墨 \ A-88 Violet Ink
- A-88型 特藍油墨 \ A-88 Permanent Blue Ink
- A-88型 群藍油墨 \ A-88 Brilliant Blue Ink
- A-88型 特綠油墨 \ A-88 Permanent Green Ink
- A-88型 中黃油墨 \ A-88 Golden Yellow Ink
- A-88型 檸檬黃油墨 \ A-88 Lemon Yellow Ink
- A-88型 四原黑油墨 \ A-88 Black Tix Ink
- A-88型 四原黃油墨 \ A-88 Yellow Tix Ink
- A-88型 四原藍油墨 \ A-88 Cyan Tix Ink
- A-88型 四原紅油墨 \ A-88 Magenta Tix Ink

收件日期(Sample Receiving Date) : 2016/08/15

測試期間(Testing Period) : 2016/08/15 TO 2016/08/22

測試需求(Test Requested) : 依據客戶要求, 檢測多環芳香烴含量. (As specified by client, to test Polycyclic Aromatic Hydrocarbons (PAHs).)

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


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 : 黑色油墨 (客戶自行調配之樣品) (乾基) (BLACK INK (SAMPLE IS BLENDED BY CLIENT)(DRY BASE))

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
多環芳香烴 / Polycyclic Aromatic Hydrocarbons (PAHs)				
芴 / Acenaphthene (CAS No. : 83-32-9)	mg/kg	參考AfPS GS 2014:01 PAK方法, 以氣相層析/質譜儀檢測. / With reference to AfPS GS 2014:01 PAK method. Analysis was performed by GC/MS.	0.2	n. d.
芴烯 / Acenaphthylene (CAS No. : 208-96-8)			0.2	n. d.
蒽 / Anthracene (CAS No. : 120-12-7)			0.2	n. d.
苯駢蒽 / Benzo[a]anthracene (CAS No. : 56-55-3)			0.2	n. d.
苯駢(a)芘 / Benzo[a]pyrene (CAS No. : 50-32-8)			0.2	n. d.
苯(b)苯駢芴 / Benzo[b]fluoranthene (CAS No. : 205-99-2)			0.2	n. d.
苯駢芘 / Benzo[g,h,i]perylene (CAS No. : 191-24-2)			0.2	n. d.
苯(k)苯駢芴 / Benzo[k]fluoranthene (CAS No. : 207-08-9)			0.2	n. d.
Chrysene (CAS No. : 218-01-9)			0.2	n. d.
二苯駢蒽 / Dibenzo[a,h]anthracene (CAS No. : 53-70-3)			0.2	n. d.
苯駢芴 / Fluoranthene (CAS No. : 206-44-0)			0.2	n. d.
芴 / Fluorene (CAS No. : 86-73-7)			0.2	n. d.
茚酮芘 / Indeno[1,2,3-c,d] pyrene (CAS No. : 193-39-5)			0.2	n. d.
萘 / Naphthalene (CAS No. : 91-20-3)			0.2	n. d.
菲 / Phenanthrene (CAS No. : 85-01-8)			0.2	n. d.
芘 / Pyrene (CAS No. : 129-00-0)			0.2	n. d.
苯(j)苯駢芴 / Benzo[j]fluoranthene (CAS No. : 205-82-3)			0.2	n. d.
苯駢(e)芘 / Benzo[e]pyrene (CAS No. : 192-97-2)			0.2	n. d.
多環芳香烴18項總和 / Sum of 18 PAHs			-	n. d.

備註(Note) :

1. mg/kg = milligram per kilogram
2. MDL = Method Detection Limit (方法偵測極限值)
3. n. d. = Not Detected (未檢出)
4. "-" = Not Regulated (無規格值)
5. 樣品在乾燥至恆定重量後測試. / The sample(s) was/were tested after drying to consistent weight.

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德國產品安全委員會(AfPS) GS PAHs 要求 /

AfPS (German commission for Product Safety): GS PAHs requirements

項目 (Parameter)	第1類(Category 1)	第2類(Category 2)		第3類(Category 3)	
	意圖放入嘴內的材料或玩具會與皮膚有所接觸(超過30秒). (Material indented to be put in the mouth or toys with intended skin contact (longer than 30 s).)	不屬於第1類的材料並可預見與皮膚接觸逾30秒(長期或經常與皮膚接觸). (Materials not falling under category 1 with foreseeable contact to skin for longer than 30 seconds (long-term skin or frequent contact).)		可預見與皮膚接觸短於30秒(短期與皮膚接觸), 以及不屬於第1類或第2類的材料. (Materials not falling under category 1 or 2 with foreseeable contact to skin for less than 30 seconds (short-term skin contact).)	
		列於2009/48/EC under 2009/48/EC)	列於德國產品安全 法之其他產品 (Other products under ProdSG)	列於2009/48/EC under 2009/48/EC)	列於德國產品安全 法之其他產品 (Other products under ProdSG)
Naphthalene	< 1	< 2		< 10	
Acenaphthylene	< 1 Sum	< 5 Sum	< 10 Sum	< 20 Sum	< 50 Sum
Acenaphthene					
Fluorene					
Phenanthrene					
Anthracene					
Fluoranthene					
Pyrene					
Benzo[a]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Chrysene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[b]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[j]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[k]fluoranthene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[a]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[e]pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Indeno[1,2,3-c,d] pyrene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Dibenzo[a,h]anthracene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
Benzo[g,h,i]perylene	< 0.2	< 0.2	< 0.5	< 0.5	< 1
18項PAH總濃度 (Sum of 18 PAH)	< 1	< 5	< 10	< 20	< 50

單位(Unit) : mg/kg

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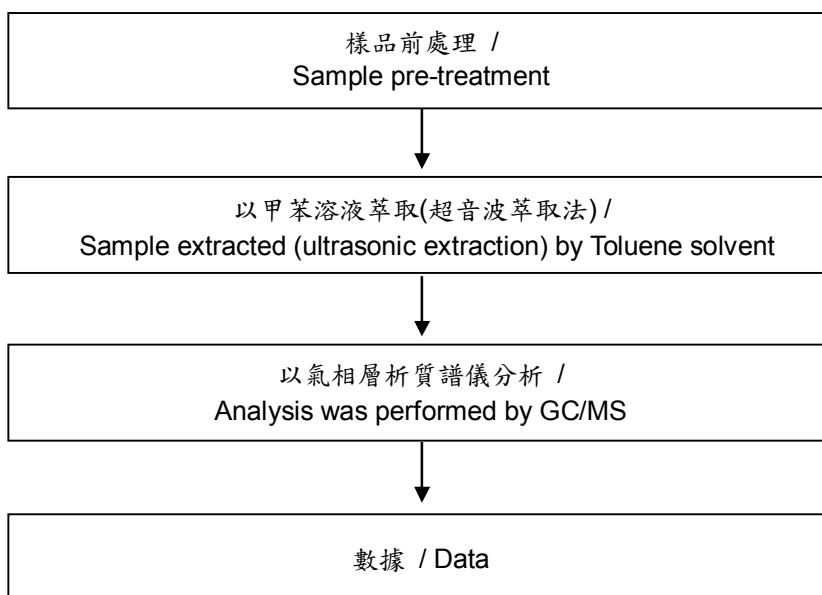
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多環芳香烴分析流程圖 /

Analytical flow chart - PAHs (Polycyclic Aromatic Hydrocarbons)

- 測試人員：涂雅苓 / Technician: Yaling Tu
- 測試負責人：張啟興 / Supervisor: Troy Chang



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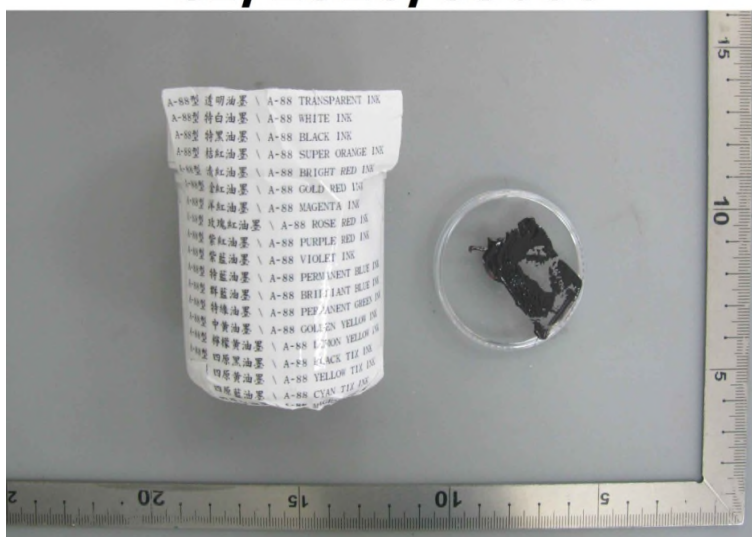
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* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。*
(The tested sample / part is marked by an arrow if it's shown on the photo.)

CE/2016/83080



** 報告結尾(End of Report) **

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