

測試報告 Test Report

號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 1 of 13

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.



以下測試樣品係由客戶送樣，且由客戶聲稱並經客戶確認如下 (The following samples was/were submitted and identified by/on behalf of the client as):

樣品名稱(Sample Description) : SAMPLE IS MIXED BY CLIENT / 客戶自行混測之樣品:

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) : 2012/04/17

測試期間(Testing Period) : 2012/04/17 TO 2012/04/24

測試方法(Test Method) : 請見下一頁 (Please refer to next pages).

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

Chenyu Kung / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory – Taipei

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號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 2 of 13

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測試樣品(Test Sample):

測試部位(PART NAME) No.1 : 灰色膏狀 (客戶自行混測之樣品) (乾基測試) (GRAY PASTE (SAMPLE IS MIXED BY CLIENT) (DRY BASE))

測試方法:

參照SGS內部方法RSTS-EE-SVHC-003, RSTS-EE-SVHC-004, RSTS-EE-SVHC-006. 由感應耦合電漿原子發射光譜儀, 紫外光可見光譜儀, 氣相層析儀質譜儀, 液相層析質譜儀和氣相層析儀/火焰光度偵測器進行分析。(SGS In-House method-RSTS-EE-SVHC-003, RSTS-EE-SVHC-004, RSTS-EE-SVHC-006. Analyzed by ICP-AES, UV-VIS, GC/MS, LC/MS and GC/FPD.)

測試結果 (Test Results) (單位Unit: %)

物質名稱 (Substance Name)	結果 (Result)	報告 極限值 (RL)	分類 (Classification) 【附錄 (Appendix) A】
	No.1		
蒽 / Anthracene (CAS No.: 120-12-7)	n.d.	0.005	PBT
4,4' - 二氨基二苯甲烷 / 4,4' - Diaminodiphenylmethane (CAS No.: 101-77-9)	n.d.	0.005	CC2
鄰苯二甲酸二丁酯 / DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	n.d.	0.005	TRC2
鄰苯二甲酸甲苯基丁酯 / BBP (Benzyl butyl phthalate) (CAS No.: 85-68-7)	n.d.	0.005	TRC2
鄰苯二甲酸二(2-乙基己基)酯 / Bis (2-ethyl(hexyl)phthalate) (DEHP) (CAS No.: 117-81-7)	n.d.	0.005	TRC2
二甲苯麝香 / 5-tert-butyl-2,4,6-trinitro- m-xylene (Musk Xylene) (CAS No.: 81-15-2)	n.d.	0.005	vPvB
六溴環十二烷及所有主要被辨別出的異構物 / Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ - HBCDD) (CAS No.: 25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	n.d.	0.005	PBT
短鏈氯化石蠟 / Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (CAS No.: 85535-84-8)	n.d.	0.01	PBT
三丁基錫氧化物 / Bis(tributyltin)oxide*** (CAS No.: 56-35-9)	n.d.	-	PBT
二氯化鈷 / Cobalt dichloride (CAS No.: 7646-79-9)	n.d.	0.005	CC2; TRC2
砷酸氫鉛 / Lead hydrogen arsenate*** (CAS No.: 7784-40-9) (※1)	n.d.	-	CC1; TRC1

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Test Report

號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 3 of 13

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物質名稱 (Substance Name)	結果 (Result)	報告 極限值 (RL)	分類 (Classification) 【附錄 (Appendix) A】
	No. 1		
疊氮化鉛 / Lead diazide, Lead azide*** (CAS No.: 13424-46-9)	n.d.	-	TRC1
中性斯蒂酚酸鉛 / Lead styphnate*** (CAS No.: 15245-44-0)	n.d.	-	TRC1
苦味酸鉛 / Lead dipicrate*** (CAS No.: 6477-64-1)	n.d.	-	TRC1
重鉻酸鈉 / Sodium dichromate*** (CAS No.: 10588-01-9, 7789-12-0(*))	n.d.	-	CC2; MC2; TRC2
鉻酸鈉 / Sodium chromate*** (CAS No.: 7775-11-3)	n.d.	-	CC2; MC2; TRC2
重鉻酸銨 / Ammonium dichromate*** (CAS No.: 7789-09-5)	n.d.	-	CC2; MC2; TRC2
重鉻酸鉀 / Potassium dichromate*** (CAS No.: 7778-50-9)	n.d.	-	CC2; MC2; TRC2
鉻酸鉀 / Potassium chromate*** (CAS No.: 7789-00-6)	n.d.	-	CC2; MC2
三氧化鉻 / Chromium trioxide *** (CAS No.: 1333-82-0)	n.d.	-	CC1; MC2
從三氧化鉻與其它寡聚體生成的酸類: 鉻酸 / Acids generated from chromium trioxide and their oligomers: Chromic acid*** (CAS No.: 7738-94-5)	n.d.	-	CC2
從三氧化鉻與其它寡聚體生成的酸類: 重鉻酸 / Acids generated from chromium trioxide and their oligomers: Dichromic acid*** (CAS No.: 13530-68-2)	n.d.	-	CC2
從三氧化鉻與其它寡聚體生成的酸類: 鉻酸與重鉻酸的寡聚體 / Acids generated from chromium trioxide and their oligomers: Oligomers of chromic acid and dichromic acid (*1)	n.d.	-	CC2
鉻酸鋇 (Strontium chromate)*** (CAS No.: 7789-06-2)	n.d.	-	CC2
鉻酸鉻 / Dichromium tris (chromate)*** (CAS No.: 24613-89-6)	n.d.	-	CC2
氫氧化鉻酸鉀 / Potassium hydroxyoctaoxodizincatedi-chromate*** (CAS No.: 11103-86-9)	n.d.	-	CC1
八氫氧化五鉻酸鉀 / Pentazinc chromate octahydroxide*** (CAS No.: 49663-84-5)	n.d.	-	CC1
蒽油 / Anthracene oil (CAS No.: 90640-80-5) (**)	n.d.	0.05	PBT; vPvB; CC2
蒽油, 蒽糊, 輕油 / Anthracene oil, anthracene paste, distn. Lights (CAS No.: 91995-17-4) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2
蒽油, 蒽糊, 蒽餾分 / Anthracene oil, anthracene paste, anthracene fraction (CAS No.: 91995-15-2) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2

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Test Report

號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 4 of 13

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	No. 1		
蒽油, 含蒽量少 / Anthracene oil, anthracene-low (CAS No.: 90640-82-7) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2
蒽油, 蒽糊 / Anthracene oil, anthracene paste (CAS No.: 90640-81-6) (**)	n.d.	0.05	PBT; vPvB; CC2; MC2
煤瀝青, 高溫 / Pitch, coal tar, high-temp. (CAS No.: 65996-93-2) (**)	n.d.	0.05	PBT; vPvB; CC2
矽酸鋁, 耐火陶瓷纖維 (主要成分濃度範圍明確) / Aluminosilicate, Refractory Ceramic Fibres Al2O3: 43.5 - 47 % w/w, and SiO2: 49.5 - 53.5 % w/w, or Al2O3: 45.5 - 50.5 % w/w, and SiO2: 48.5 - 54 % w/w	n.d.	0.05	CC2
矽酸鋁, 耐火陶瓷纖維 (主要成分濃度於可變範圍內) / Aluminosilicate, Refractory Ceramic Fibres oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges	n.d.	0.05	CC2
鋁矽酸鋁, 耐火陶瓷纖維 (主要成分濃度範圍明確) / Zirconia Aluminosilicate, Refractory Ceramic Fibres Al2O3: 35- 36 % w/w, and SiO2: 47.5 - 50 % w/w, and ZrO2: 15- 17 % w/w	n.d.	0.05	CC2
鋁矽酸鋁, 耐火陶瓷纖維 (主要成分濃度於可變範圍內) / Zirconia Aluminosilicate, Refractory Ceramic Fibres oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable	n.d.	0.05	CC2
鄰苯二甲酸二異丁酯 / DIBP (Di-isobutyl phthalate) (CAS No.: 84-69-5)	n.d.	0.005	TRC2
2,4-二硝基甲苯 / 2,4-Dinitrotoluene (CAS No.: 121-14-2)	n.d.	0.005	CC2
磷酸三 (2-氯乙基) 酯 / Tris(2-chloroethyl) phosphate (TCEP) (CAS No.: 115-96-8)	n.d.	0.005	TRC2
鉻酸鉛 / Lead chromate (CAS No.: 7758-97-6)	n.d.	0.01	CC2; TRC1
鉬鉻紅; 顏色索引: 顏料紅104 / Lead chromate molybdate sulphate red (C.I. Pigment Red 104) (CAS No.: 12656-85-8)	n.d.	0.01	CC 2; TRC1

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號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 5 of 13

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	No.1		
鉻酸鉛；顏色索引：顏料黃34 / Lead sulfochromate yellow (C.I. Pigment Yellow 34) (CAS No.: 1344-37-2)	n.d.	0.01	CC2; TRC1
丙烯醯胺 / Acrylamide (CAS No.: 79-06-1)	n.d.	0.005	CC2; MC2
三氯乙烯 / Trichloroethylene (CAS No.: 79-01-6)	n.d.	0.005	CC2
硫酸鈷(二價) / Cobalt(II) sulphate *** (CAS No.: 10124-43-3)	n.d.	-	CC2; TRC2
硝酸鈷(二價) / Cobalt(II) dinitrate *** (CAS No.: 10141-05-6)	n.d.	-	CC2; TRC2
碳酸鈷(二價) / Cobalt(II) carbonate *** (CAS No.: 513-79-1)	n.d.	-	CC2; TRC2
醋酸鈷(二價) / Cobalt(II) diacetate *** (CAS No.: 71-48-7)	n.d.	-	CC2; TRC2
乙二醇甲醚 / 2-Methoxyethanol (CAS No.: 109-86-4)	n.d.	0.005	TRC2
乙二醇乙醚 / 2-Ethoxyethanol (CAS No.: 110-80-5)	n.d.	0.005	TRC2
五氧化二砷 / Diarsenic pentaoxide*** (CAS No.: 1303-28-2)	n.d.	-	CC1
三氧化二砷 / Diarsenic trioxide*** (CAS No.: 1327-53-3)	n.d.	-	CC1
三乙基砷酸酯 / Triethyl arsenate*** (CAS No.: 15606-95-8)	n.d.	-	CC1
砷酸 / Arsenic acid*** (CAS No.: 7778-39-4)	n.d.	-	CC1
砷酸鈣 / Calcium arsenate*** (CAS No.: 7778-44-1)	n.d.	-	CC1
砷酸鉛 / Trilead diarsenate*** (CAS No.: 3687-31-8) (※1)	n.d.	-	CC1; TRC1
硼酸 / Boric acid*** (CAS No.: 10043-35-3; 11113-50-1)	n.d.	-	TRC2
無水四硼酸二鈉 / Disodium tetraborate, anhydrous*** (CAS No.: 1303-96-4, 1330-43-4, 12179-04-3)	n.d.	-	TRC2
水合硼酸鈉 / Tetraboron disodium heptaoxide, hydrate (CAS No.: 12267-73-1) (*2)	n.d.	-	TRC2
乙二醇乙醚乙酸酯 (2-ethoxyethyl acetate) (CAS No.: 111-15-9)	n.d.	0.05	TRC2
鄰苯二甲酸二 (C7-11支鏈與直鏈) 烷基酯 (1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters) (CAS No.: 68515-42-4)	n.d.	0.05	TRC2
聯氨 (Hydrazine) (CAS No.: 7803-57-8; 302-01-2)	n.d.	0.05	CC2
N-甲基吡咯烷酮 (1-methyl-2-pyrrolidone) (CAS No.: 872-50-4)	n.d.	0.05	TRC2
1,2,3-三氯丙烷 (1,2,3-trichloropropane) (CAS No.: 96-18-4)	n.d.	0.05	CC2; TRC2

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	No. 1		
鄰苯二甲酸二 (C6-8支鏈與直鏈)烷基酯, 富C7 / 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) (CAS No.: 71888-89-6)	n.d.	0.05	TRC2
甲醛與苯胺的寡聚體 / Formaldehyde, oligomeric reaction products with aniline (technical MDA) (CAS No.: 25214-70-4)	n.d.	0.05	CC2
鄰苯二甲酸二甲氧基乙酯 / Bis(2-methoxyethyl) phthalate (CAS No.: 117-82-8)	n.d.	0.05	TRC2
鄰甲氧基苯胺 / 2-Methoxyaniline; o-Anisidine (CAS No.: 90-04-0)	n.d.	0.05	CC2
對特辛基苯酚 / 辛基酚 / 4-(1,1,3,3-tetramethylbutyl) phenol, (4-tert-Octylphenol) (CAS No.: 140-66-9)	n.d.	0.05	相同危害等級 (Equivalent concern)
1,2-二氯乙烷 / 1,2-Dichloroethane (CAS No.: 107-06-2)	n.d.	0.05	CC2
双(2-甲氧基乙基)醚 / Bis(2-methoxyethyl) ether (CAS No.: 111-96-6)	n.d.	0.05	TRC2
N,N-二甲基乙醯胺 / N,N-dimethylacetamide (DMAC) (CAS No.: 127-19-5)	n.d.	0.05	TRC2
4,4'-亞甲雙 (2-氯苯胺) / 2,2'-dichloro- 4,4'-methylenedianiline (MOCA) (CAS No.: 101-14-4)	n.d.	0.05	CC2
酚酞 / Phenolphthalein (CAS No.: 77-09-8)	n.d.	0.05	CC2

備註(Note):

1. mg/kg = ppm; 0.1wt% = 1000ppm
2. n.d. = not detected = below Reporting Limit / 未檢出
3. RL = Reporting Limit / 報告極限值
4. 列於附錄A中之分類定義是根據67/548/EE以及Regulation (EC) No 1907/2006 (Definition of classification is listed in Appendix A of this report in accordance with 67/548/EEC and Regulation (EC) No 1907/2006)。
5. (*): 重鉻酸鈉二水合物(CAS No.: 7789-12-0)含量 = 重鉻酸鈉含量 × 1.1374
(conc. of Sodium dichromate dihydrate = conc. of sodium dichromate × 1.1374)

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測試報告

Test Report

號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 7 of 13

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



6. (*1): 鉻酸與重鉻酸的寡聚體: 因為其寡聚體是由未知數的鉻酸或與重鉻酸所組成, 而導致沒有固定分子量, 因此以單體鉻酸或重鉻酸較為重要並應被考慮。/ Oligomers of chromic acid and dichromic acid: since the oligomers are made of the unknown amount of chromic acid or dichromic acid that results in no fixed molecular weight, therefore the monomer of chromic acid or dichromic acid is relevant and considered.
7. (*2): 水合硼酸鈉: 依照歐洲化學總署解釋以無水四硼酸二鈉數據作為代表(歐洲化學總署回信編號 Ref no.: INC 000000032519) / Tetraboron disodium heptaoxide, hydrate: Only anhydrous form of disodium tetraborate is relevant and considered according to ECHA explanation (Ref no.: INC 000000032519).
8. (**): 上述混合物的濃度是經由所獲得的成分比例介於被選擇標靶物及混合物所推估出來。/ The concentrations of above-mentioned mixtures are evaluated per the gained composition rate between the selected marks and the mixtures.
9. "-" = Not Regulated (無規格值)
10. ***: 該物質是由"三丁基錫"或各別元素(例如: 砷、鉛、六價鉻、硼或鈷)之測試結果計算得知。
The substance was calculated by the test results of Tributyl Tin or element (Ex. Arsenic, Lead, Cr(VI), Boron or Cobalt respectively).

AX = A × F

AX	A	F
五氧化二砷 / Diarsenic pentaoxide	砷 / Arsenic	1.5339
三氧化二砷 / Diarsenic trioxide		1.3203
三乙基砷酸酯 / Triethyl arsenate		3.0179
砷酸氫鉛 / Lead hydrogen arsenate		4.6332
苦味酸鉛 / Lead dipicrate	鉛 / Lead	1.6753
中性斯蒂酚酸鉛 / Lead styphnate		3.2017
疊氮化鉛 / Lead diazide, Lead azide		2.1732
砷酸鉛 / Trilead diarsenate		1.4056
砷酸 / Arsenic acid	砷 / Arsenic	1.447
砷酸鈣 / Calcium arsenate		6.0025
三丁基錫氧化物 / Bis(tributyltin)oxide	三丁基錫 / Tributyl Tin (TBT)	1.8946
		2.6566
		1.0276

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測試報告

Test Report

號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 8 of 13

宇祥網版塗料股份有限公司

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AX = A × F

AX	A	F
重鉻酸鈉 / Sodium dichromate	六價鉻 / Hexavalent Chromium Cr(VI)	2.5192
鉻酸鈉 / Sodium chromate		3.1151
重鉻酸銨 / Ammonium dichromate		2.4239
重鉻酸鉀 / Potassium dichromate		2.8289
鉻酸鉀 / Potassium chromate		3.7347
三氧化鉻 / Chromium trioxide		1.9231
鉻酸 / Chromic acid		2.2696
重鉻酸 / Dichromic acid		2.0963
鉻酸鋇 / Strontium chromate		3.9159
八氫氧化五鉻酸鋅 / Pentazinc chromate octahydroxide		11.1345
氫氧化鉻酸鋅鉀 / Potassium hydroxyoctaoxodizincatedi-chromate		4.0277
鉻酸鉻 / Dichromium tris (chromate)		2.8975
硫酸鈷(二價) / Cobalt(II) sulphate	鈷 / Cobalt	2.63
硝酸鈷(二價) / Cobalt(II) dinitrate		3.1042
碳酸鈷(二價) / Cobalt(II) carbonate		2.0183
醋酸鈷(二價) / Cobalt(II) diacetate		3.0038
硼酸 / Boric acid	硼 / Boron	5.7195
無水四硼酸二鈉 / Disodium tetraborate, anhydrous		4.6531
水合硼酸鈉(五水四硼酸二鈉) / Disodium tetraborate, pentahydrate		6.7361
水合硼酸鈉(十水四硼酸二鈉) / Disodium tetraborate, decahydrate		8.8191

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測試報告

Test Report

號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 9 of 13

宇祥網版塗料股份有限公司

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測試結果如下(The test result is given as):

物質名稱 (Substance Name)	結果 (Result) (%)	報告極限值 (RL) (%)
	No.1	
三丁基錫 / Tributyl Tin (TBT)	n.d.	0.005
鉛 / Lead (Pb)	n.d.	0.005
六價鉻 / Hexavalent Chromium Cr(VI)	n.d.	0.005
鈷 / Cobalt (Co)	n.d.	0.005
砷 / Arsenic (As) (※2)	n.d.	0.005
硼 / Boron (B) (※2)	n.d.	0.005

11. (※1): 此砷鉛化合物之濃度是取砷及鉛兩者各別換算出砷鉛化合物濃度，並取其最小值做為最後出報告之依據。
(Regarding the compound containing arsenic and lead, lead and arsenic are tested and respectively used for the calculation of the independent concentration of the compound containing arsenic and lead. The minimum value of the two independently calculated concentrations is used as the final concentration for the report.)
12. (※2): 被萃取出的溶出硼/砷是以感應耦合電漿原子發射光譜儀檢測得之。 / The extracted soluble Boron / Arsenic are detected by ICP-AES.
13. 此份報告取代CR/2012/40067報告。(This report supersedes the previous document bearing the test report number CR/2012/40067.)

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測試報告 Test Report

號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 10 of 13

宇祥網版塗料股份有限公司

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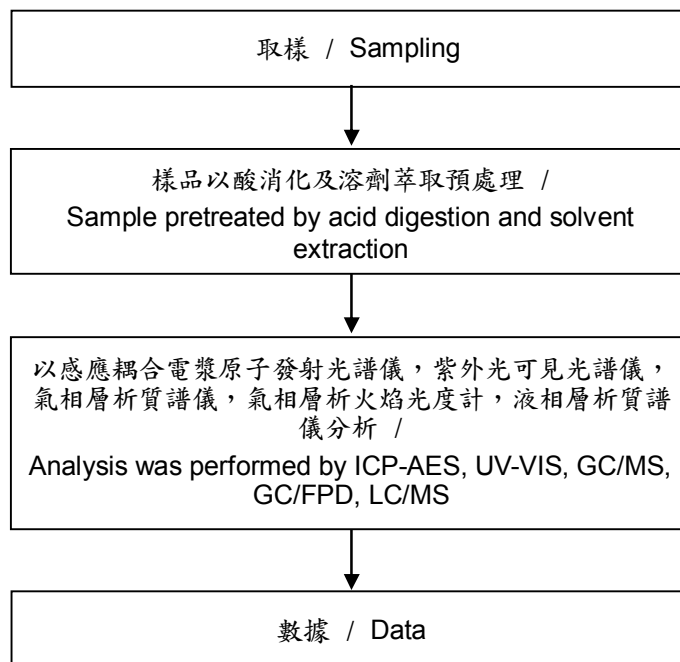
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分析流程圖 / Analytical flow chart

- 1) 測試人員：翁賜彬/周穗華/楊登偉 / Name of the person who made measurement: Roman Wong/ Stacy Chou/ Climbgreat Yang
- 2) 測試負責人：龔振裕 / Name of the person in charge of measurement: Chenyu Kung



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測試報告 Test Report

號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 11 of 13

宇祥網版塗料股份有限公司

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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.)

CR/2012/40067



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測試報告

Test Report

號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 12 of 13

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【附錄 (Appendix) A】

分類 (Classification)	67/548/EEC以及Regulation (EC) No 1907/2006下的定義 (Definition under 67/548/EEC and Regulation (EC) No 1907/2006)
CC1: 致癌物質 類別1 (Carcinogen Category 1)	已知會對人類致癌的物質。有足夠的證據證明人體暴露於該物質和癌症發展之間有相互的關聯性 (Substances known to be carcinogenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and the development of cancer)。
CC2: 致癌物質 類別 2 (Carcinogen Category 2)	應被視為可能對人體會導致致癌的物質。有足夠的證據強力推論人體暴露於該物質可能導致癌症發展，上述基於下列研究所得之結果 (Substances which should be regarded as if they are carcinogenic to man. There is sufficient evidence to provide a strong presumption that human exposure to a substance may result in the development of cancer. Generally on the basis of): <ul style="list-style-type: none"> - 適當的長期動物實驗 (appropriate long-term animal studies)。 - 其他相關資訊 (other relevant information)。
MC1: 導致基因突變 類別1 (Mutagen Category 1)	已知會對人類導致基因突變的物質。有足夠的證據證明人體暴露於該物質和遺傳基因損害之間有相互的關聯性 (Substances known to be mutagenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and heritable genetic damage)。
MC2: 導致基因突變 類別2 (Mutagen Category 2)	應被視為是否對人體會導致基因突變的物質。有足夠的證據強力推論人體暴露於該物質可能導致遺傳基因損害，上述基於下列研究所得之結果 (Substances which should be regarded as if they are mutagenic to man. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in the development of heritable genetic damage, generally on the basis of): <ul style="list-style-type: none"> - 適當的長期動物實驗 (appropriate animal studies)。 - 其他相關資訊 (other relevant information)。
TRC1: 對生殖系統有害 類別1 (Toxic to Reproduction Category 1)	已知會損害人體生殖能力的物質。有足夠的證據證明人體暴露於該物質和生殖能力削弱之間有相互的關聯性 (Substances known to impair fertility in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and impaired fertility)。 已知會在人體引起毒性的物質。有足夠的證據證明人體暴露於該物質和其後產生之毒性對後代造成影響有相互之關聯性 (Substances known to cause developmental toxicity in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and subsequent developmental toxic effects in the progeny)。

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測試報告

Test Report

號碼(No.): CR/2012/40067A 日期(Date): 2012/04/25 頁數(Page): 13 of 13

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分類 (Classification)	67/548/EEC以及Regulation (EC) No 1907/2006下的定義 (Definition under 67/548/EEC and Regulation (EC) No 1907/2006)
TRC2: 對生殖系統有害 類別2 (Toxic to Reproduction Category 2)	<p>應被視為可能會損害人體生殖能力的物質。有足夠的證據證明人體暴露於該物質可能導致損害人體生殖能力的有力推論，上述基於下列研究所得之結果 (Substances which should be regarded as if they impair fertility in humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility on the basis of):</p> <ul style="list-style-type: none"> - 缺少毒性作用的生殖能力削弱動物實驗中的明顯證據，或在同使用量下其他毒性作用但不是其他毒性作用的輔助非特定結果的生殖能力削弱證據 (clear evidence in animal studies of impaired fertility in the absence of toxic effects, or, evidence of impaired fertility occurring at around the same dose levels as other toxic effects but which is not a secondary nonspecific consequence of the other toxic effects). - 其他相關資訊 (other relevant information). <p>應被視為可能在人體引起毒性發展的物質有足夠的證據提供人體暴露於該物質可能引起毒性發展的有力推論，整體而言是基於 (Substances which should be regarded as if they cause developmental toxicity to humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in developmental toxicity, generally on the basis of):</p> <ul style="list-style-type: none"> - 在適當動物實驗研究所進行缺乏顯著母體毒性徵象或在同使用量下其他毒性作用但不是其他毒性作用的輔助非特定結果的生殖能力削弱證據觀察，所得到之明顯結果 (clear results in appropriate animal studies where effects have been observed in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which are not a secondary non-specific consequence of the other toxic effects)。 - 其他相關資訊 (other relevant information).
PBT 長期生物蓄積性及毒性物質 & vPvB高持久性和高生物蓄積性物質	<p>長期生物蓄積性及毒性物質 (PBT) 或高持久性和高生物蓄積性物質 (vPvB) 造成化學安全管理上特別挑戰。這些物質在環境中無法用一個 "安全" 濃度建立足夠的可靠度。/ Substances which are persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) pose a particular challenge to the chemicals safety management. For these substances a "safe" concentration in the environment cannot be established with sufficient reliability.</p>

** 報告結尾(End of Report) **

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