

測試報告

Test Report

報告編號(No.): HTY24400128

報告日期(DATE): 2024/05/02

頁數(PAGE): 1 of 5

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

420 台中市豐原區圓環東路270號 (NO. 270, YUAN HUAN E. RD., FENG YUAN CITY, 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) : PK-66型 透明油墨 \ PK-66 Transparent Ink
PK-66型 特白油墨 \ PK-66 White Ink
PK-66型 特黑油墨 \ PK-66 Black Ink
PK-66型 桔紅油墨 \ PK-66 Super Orange Ink
PK-66型 清紅油墨 \ PK-66 Bright Red Ink
PK-66型 金紅油墨 \ PK-66 Gold Red Ink
PK-66型 洋紅油墨 \ PK-66 Magenta Ink
PK-66型 玫瑰紅油墨 \ PK-66 Rose Red Ink
PK-66型 紫紅油墨 \ PK-66 Purple Red Ink
PK-66型 紫藍油墨 \ PK-66 Violet Ink
PK-66型 特藍油墨 \ PK-66 Permanent Blue Ink
PK-66型 群藍油墨 \ PK-66 Brilliant Blue Ink
PK-66型 特綠油墨 \ PK-66 Permanent Green Ink
PK-66型 中黃油墨 \ PK-66 Golden Yellow Ink
PK-66型 檸檬黃油墨 \ PK-66 Lemon Yellow Ink
PK-66型 四原黑油墨 \ PK-66 Black Tix Ink
PK-66型 四原黃油墨 \ PK-66 Yellow Tix Ink
PK-66型 四原藍油墨 \ PK-66 Cyan Tix Ink
PK-66型 四原紅油墨 \ PK-66 Magenta Tix Ink

收件日(Sample Receiving Date) : 2024/04/24

測試期間(Testing Period) : 2024/04/24 to 2024/05/02

測試需求 (Test Requested) :

依據客戶要求進行測試，測試項目請參閱測試結果表格。(The test was specified by client, please refer to the result table(s) for details.)

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

Singh Hsiao / Asst. Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei



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測試部位敘述(Test Part Description)

No.1 : 黑色油墨 (客戶自行調配之樣品) (Black ink (SAMPLE IS BLENDED BY CLIENT))

測試結果(Test Results)

| 測試項目 (Test Item(s)) | 測試方法 (Method) | 單位 (Unit) | RL | 結果 (Result) |
|---|--|--------------|-----|----------------|
| | | | | No.1 |
| 溶出銅 (Cu) / Soluble Copper (Cu) (CAS No.7440-50-8) | 參考 EN 71-3:2019+A1:2021，以感應耦合電漿發射光譜儀(ICP-OES)分析。 / With reference to EN 71-3 : 2019 + A1 : 2021. Analysis was performed by ICP-OES. | mg/kg | 50 | n.d. |
| 溶出銣 (Sr) / Soluble Strontium (Sr) (CAS No.7440-24-6) | | mg/kg | 50 | n.d. |
| 溶出鋁 (Al) / Soluble Aluminum (Al) (CAS No.7429-90-5) | | mg/kg | 50 | 147 |
| 溶出鋇 (Ba) / Soluble Barium (Ba) (CAS No.7440-39-3) | | mg/kg | 50 | 71.3 |
| 溶出鎳 (Ni) / Soluble Nickel (Ni) (CAS No.7440-02-0) | | mg/kg | 10 | n.d. |
| 溶出硼 (B) / Soluble Boron (B) (CAS No.7440-42-8) | | mg/kg | 50 | n.d. |
| 溶出砷 (As) / Soluble Arsenic (As) (CAS No.7440-38-2) | | mg/kg | 10 | n.d. |
| 溶出硒 (Se) / Soluble Selenium (Se) (CAS No.7782-49-2) | | mg/kg | 10 | n.d. |
| 溶出鋅 (Zn) / Soluble Zinc (Zn) (CAS No.7440-66-6) | | mg/kg | 50 | n.d. |
| 溶出鉻 (Cr) / Soluble Chromium (Cr) (CAS No.7440-47-3) | | mg/kg | 5 | n.d. |
| 溶出錫 (Sn) / Soluble Tin (Sn) (CAS No.7440-31-5) | | mg/kg | 4.9 | n.d. |
| 溶出鉛 (Pb) / Soluble Lead (Pb) (CAS No.7439-92-1) | | mg/kg | 10 | n.d. |

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| 測試項目 (Test Item(s)) | 測試方法 (Method) | 單位 (Unit) | RL | 結果 (Result) |
|---|---|--------------|------|----------------|
| | | | | No.1 |
| 溶出鎘 (Cd) / Soluble Cadmium (Cd) (CAS No.7440-43-9) | 參考 EN 71-3:2019+A1:2021，以感應耦合電漿發射光譜儀(ICP-OES)分析。 / With reference to EN 71-3 : 2019 + A1 : 2021. Analysis was performed by ICP-OES. | mg/kg | 5 | n.d. |
| 溶出鈷 (Co) / Soluble Cobalt (Co) (CAS No.7440-48-4) | | mg/kg | 10 | n.d. |
| 溶出銻 (Sb) / Soluble Antimony (Sb) (CAS No.7440-36-0) | | mg/kg | 10 | n.d. |
| 溶出錳 (Mn) / Soluble Manganese (Mn) (CAS No.7439-96-5) | | mg/kg | 50 | n.d. |
| 溶出汞 (Hg) / Soluble Mercury (Hg) (CAS No.7439-97-6) | | mg/kg | 10 | n.d. |
| 溶出三價鉻 Cr (III) / Soluble Chromium (III) (Cr (III)) (CAS No.16065-83-1) | 參考 EN 71-3 : 2019+ A1 : 2021，溶出三價鉻由計算求得。 / With reference to EN 71-3 : 2019+ A1 : 2021. Soluble Chromium (III) was obtained by calculation. | mg/kg | 5 | n.d. |
| 溶出六價鉻 Cr (VI) / Soluble Chromium (VI) (Cr (VI)) (CAS No.18540-29-9) | 參考 EN 71-3 : 2019 + A1 : 2021，以液相層析感應耦合電漿質譜儀(LC-ICP-MS)分析。 / With reference to EN 71-3 : 2019 + A1 : 2021. Analysis was performed by LC-ICP-MS. | mg/kg | 0.02 | n.d. |

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| 測試項目 (Test Item(s)) | 測試方法 (Method) | 單位 (Unit) | RL | 結果 (Result) |
|--|---|--------------|-----|----------------|
| | | | | No.1 |
| 單丁基錫 (BuT) / n-butyltin (BuT) | 參考 EN 71-3 : 2019 + A1 : 2021 · 以氣相層析質譜儀(GC-MS)分析。 / With reference to EN 71-3 : 2019 + A1 : 2021. Analysis was performed by GC-MS. | mg/kg | 1.8 | n.d. |
| 二丁基錫 (DBT) / Dibutyl tin (DBT) | | mg/kg | 1.8 | n.d. |
| 二甲基錫 (DMT) / Dimethyl tin (DMT) | | mg/kg | 1.8 | n.d. |
| 二辛基錫 (DOT) / Dioctyl tin (DOT) | | mg/kg | 1.8 | n.d. |
| 二苯基錫 (DPhT) / Diphenyl tin (DPhT) | | mg/kg | 1.8 | n.d. |
| 二丙基錫 (DProT) / Di-n-propyl tin (DProT) | | mg/kg | 1.8 | n.d. |
| 單甲基錫 (MeT) / Methyl tin (MeT) | | mg/kg | 1.8 | n.d. |
| 單辛基錫 (MOT) / Monoctyl tin (MOT) | | mg/kg | 1.8 | n.d. |
| 三丁基錫 (TBT) / Tributyl tin (TBT) | | mg/kg | 1.8 | n.d. |
| 四丁基錫 (TeBT) / Tetrabutyl tin (TeBT) | | mg/kg | 1.8 | n.d. |
| 三苯基錫 (TPT) / Triphenyl tin (TPT) | | mg/kg | 1.8 | n.d. |
| 溶出有機錫 / Soluble Organic Tin | | mg/kg | - | n.d. |

備註(Note) :

1. mg/kg = ppm ; 0.1% = 1000 ppm
2. RL = Reporting Limit (報告極限值)
3. n.d. = Not Detected (未檢出) = Less than (小於) RL
4. "-" = Not Regulated (無規格值)
5. 樣品以乾基進行測試。(Test done on dried paint sample.)
6. 報告中的測試結果不代表其中個別單一材質的含量。(The test result(s) in the report does/do not represent the content of individual material.)
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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.)

HTY24400128**** 報告結尾 (End of Report) ****

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