

測試報告

Test Report

報告編號(No.): HTY21100263 報告日期(DATE): 2021/02/05 頁數(PAGE): 1 of 4

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 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) | : | A-88型 透明油墨, A-88型 特白油墨, A-88型 特黑油墨, A-88型 桔紅油墨, A-88型 清紅油墨, A-88型 金紅油墨, A-88型 洋紅油墨, A-88型 玫瑰紅油墨, A-88型 紫紅油墨, A-88型 紫藍油墨, A-88型 特藍油墨, A-88型 群藍油墨, A-88型 特綠油墨, A-88型 中黃油墨, A-88型 檸檬黃油墨, A-88型 四原黑油墨, A-88型 四原黃油墨, A-88型 四原藍油墨, A-88型 四原紅油墨 (A-88 Transparent Ink, A-88 White Ink, A-88 Black Ink, A-88 Super Orange Ink, A-88 Bright Red Ink, A-88 Gold Red Ink, A-88 Magenta Ink, A-88 Rose Red Ink, A-88 Purple Red Ink, A-88 Violet Ink, A-88 Permanent Blue Ink, A-88 Brilliant Blue Ink, A-88 Permanent Green Ink, A-88 Golden Yellow Ink, A-88 Lemon Yellow Ink, A-88 Black Tix Ink, A-88 Yellow Tix Ink, A-88 Cyan Tix Ink, A-88 Magenta Tix Ink) |
| 收件日(Sample Receiving Date) | : | 2021/01/28 |
| 測試期間(Testing Period) | : | 2021/01/28 to 2021/02/05 |

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
Singh Hsiao / Asst. Manager
Signed for and 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)

指令2009/48/EC及其理事會修正指令EN 71-3: 2019 - 特定元素遷移。 / Directive 2009/48/EC and its Amendment EN71-3: 2019 - Migration of certain elements.

第三類：可刮取的玩具材料。 / Category III: Scrapped-off toy material.

| 測試項目 (Test Item(s)) | 測試方法 (Method) | 單位 (Unit) | RL | 結果 (Result) | 參考限值 (Ref. Limit) |
|--|---|--------------|-----|----------------|----------------------|
| | | | | No.1 | |
| 溶出銅 (Cu) / Soluble Copper (Cu) (CAS No.7440-50-8) | 參考 EN 71-3 : 2019 , 以感應耦合電漿發射光譜儀檢測。 / With reference to EN 71-3 : 2019. Analysis was performed by ICP-OES. | mg/kg | 50 | n.d. | 7700 |
| 溶出銣 (Sr) / Soluble Strontium (Sr) (CAS No.7440-24-6) | | mg/kg | 50 | n.d. | 56000 |
| 溶出鋁 (Al) / Soluble Aluminum (Al) (CAS No.7429-90-5) | | mg/kg | 50 | 188 | 70000 |
| 溶出鋇 (Ba) / Soluble Barium (Ba) (CAS No.7440-39-3) | | mg/kg | 50 | 61.4 | 18750 |
| 溶出鎳 (Ni) / Soluble Nickel (Ni) (CAS No.7440-02-0) | | mg/kg | 10 | n.d. | 930 |
| 溶出硼 (B) / Soluble Boron (B) (CAS No.7440-42-8) | | mg/kg | 50 | n.d. | 15000 |
| 溶出砷 (As) / Soluble Arsenic (As) (CAS No.7440-38-2) | | mg/kg | 10 | n.d. | 47 |
| 溶出硒 (Se) / Soluble Selenium (Se) (CAS No.7782-49-2) | | mg/kg | 10 | n.d. | 460 |
| 溶出鋅 (Zn) / Soluble Zinc (Zn) (CAS No.7440-66-6) | | mg/kg | 50 | n.d. | 46000 |
| 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. | 180000 |
| 溶出鉛 (Pb) / Soluble Lead (Pb) (CAS No.7439-92-1) | | mg/kg | 10 | n.d. | 23 |
| 溶出鎘 (Cd) / Soluble Cadmium (Cd) (CAS No.7440-43-9) | | mg/kg | 5 | n.d. | 17 |
| 溶出鈷 (Co) / Soluble Cobalt (Co) (CAS No.7440-48-4) | | mg/kg | 10 | n.d. | 130 |
| 溶出銻 (Sb) / Soluble Antimony (Sb) (CAS No.7440-36-0) | | mg/kg | 10 | n.d. | 560 |
| 溶出錳 (Mn) / Soluble Manganese (Mn) (CAS No.7439-96-5) | | mg/kg | 50 | n.d. | 15000 |
| 溶出汞 (Hg) / Soluble Mercury (Hg) (CAS No.7439-97-6) | | mg/kg | 10 | n.d. | 94 |

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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 | 參考限值 (Ref. Limit) |
|--|---|--------------|------|------------------------|----------------------|
| 溶出三價鉻 Cr (III) / Soluble Chromium (III) (Cr (III)) (CAS No.16065-83-1) | 參考 EN 71-3 : 2019 , 溶出三價鉻由計算求得。 / With reference to EN 71-3 : 2019. Soluble Chromium (III) was obtained by calculation. | mg/kg | 5 | n.d. | 460 |
| 溶出六價鉻 Cr (VI) / Soluble Chromium (VI) (Cr (VI)) (CAS No.18540-29-9) | 參考 EN 71-3 : 2019 , 以液相層析感應耦合電漿質譜儀檢測。 / With reference to EN 71-3 : 2019. Analysis was performed by LC-ICP-MS. | mg/kg | 0.02 | n.d. | 0.053 |
| 單丁基錫 (BuT) / n-butyltin (BuT) | 參考 EN 71-3 : 2019 , 以氣相層析質譜儀檢測。 / With reference to EN 71-3 : 2019. 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 (TPhT) / Triphenyl tin (TPhT) | | mg/kg | 1.8 | n.d. | - |
| 溶出有機錫 / Soluble Organic Tin | | mg/kg | - | n.d. | 12 |

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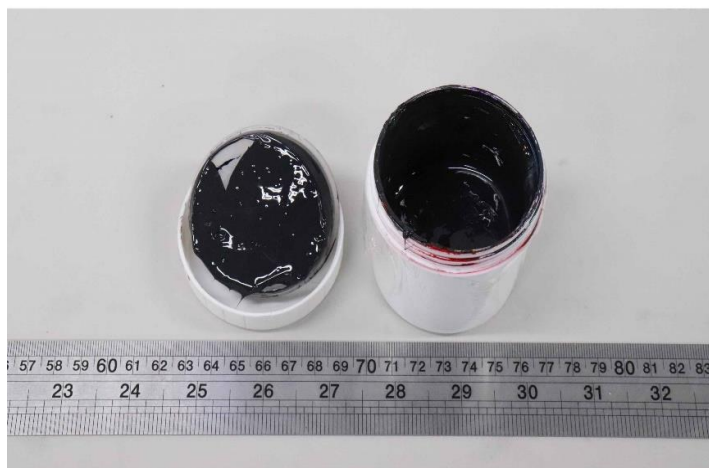
備註(Note) :

1. mg/kg = ppm ; 0.1wt% = 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. 測試是以乾燥油墨進行測試。(Test done on dried ink sample.)
6. 樣品的測試是基於申請人要求混合測試，報告中的混合測試結果不代表其中個別單一材質的含量。(The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value.)
7. 本報告不得分離或擷錄使用。(The report is invalid if it is partly reproduced or used.)

* 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.)

HTY21100263



** 報告結尾 (End of Report) **

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