

測試報告 Test Report

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中華紙漿股份有限公司
CHUNG HWA PULP CORPORATION
台北市中正區重慶南路二段51號12樓
12F., NO. 51, SEC. 2, CHUNGCHING S. RD., ZHONGZHENG DISTRICT, TAIPEI CITY 100, TAIWAN, R. O. C.

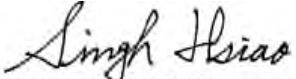
以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by/on behalf of the applicant as):

送樣廠商(Sample Submitted By) : 中華紙漿股份有限公司 (CHUNG HWA PULP CORPORATION)
樣品名稱(Sample Description) : EASY STRAW PAPER (益利吸吸管用紙)
樣品材質(Sample Material) : 紙 (PAPER)
收件日期(Sample Receiving Date) : 2019/10/08
測試期間(Testing Period) : 2019/10/08 to 2019/10/28

測試需求(Test Requested) :

依據客戶指定，參考德國於2005年9月1日公告的食品、日用品及飼料法(LFGB)第30條與第31條及其修訂案，Council of Europe Resolution AP (2002) 1、BfR recommendation進行測試。測試項目請參閱測試結果表格。 / As specified by client, the sample(s) was/were tested with reference to German Food, Articles of Daily Use and Feed Code of September 1, 2005 (LFGB), Section 30 & 31 with Amendments, Council of Europe Resolution AP (2002) 1 and BfR Recommendation. Please refer to result table for testing item(s).

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


Singh Hsiao / Sr. Supervisor
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 : 白色紙 (WHITE PAPER)

通過(PASS)

測試項目 (Test Item)	單位 (Unit)	測試方法 (Method)	MDL	結果 (Result)	限值 (Limit)
				No. 1	
五氯酚 / Pentachlorophenol (PCP) (CAS No. : 87-86-5)	mg/kg	參考BS PD CEN/TR 14823 (2003), 以氣相層析/質譜儀檢測. / With reference to BS PD CEN/TR 14823 (2003). Analysis was performed by GC/MS.	0.05	n. d.	0.15
萃取鉛 / Extractable Lead	µg/L	參考 EN 645 (1993) (冷水萃取), 用 ICP-MS 和LC-ICP-MS分析. / With reference to EN 645 (1993) (cold water extraction), Analysis was performed by ICP-MS and LC-ICP-MS.	5	n. d.	10
萃取鎘 / Extractable Cadmium	µg/L	參考 EN 645 (1993) (冷水萃取), 用 ICP-MS 和LC-ICP-MS分析. / With reference to EN 645 (1993) (cold water extraction), Analysis was performed by ICP-MS and LC-ICP-MS.	2	n. d.	5
萃取六價鉻 / Extractable Chromium (VI)	mg/dm ²	參考 EN 645 (1993) (冷水萃取), 用 ICP-MS 和LC-ICP-MS分析. / With reference to EN 645 (1993) (cold water extraction), Analysis was performed by ICP-MS and LC-ICP-MS.	0.004	n. d.	Absent
萃取三價鉻 / Extractable Chromium (III)	mg/dm ²	參考 EN 645 (1993) (冷水萃取), 用 ICP-MS 和LC-ICP-MS分析. / With reference to EN 645 (1993) (cold water extraction), Analysis was performed by ICP-MS and LC-ICP-MS. ▲	0.004	n. d.	0.004
螢光增白劑堅牢度 / Fastness of fluorescent whitened paper and board (3%乙酸水溶液(W/V) / 3% Acetic acid (W/V) aqueous solution)	-	參考 EN 648 (2018), 用UV lamp分析. / With reference to EN 648 (2018), analysis was performed by UV lamp. (23±2°C, 4 hrs)	-	5級 / Grade 5	★

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測試項目 (Test Item)	單位 (Unit)	測試方法 (Method)	MDL	結果 (Result)	限值 (Limit)
				No. 1	
二苯甲酮特定遷移量 / Specific migration of Benzophenone	mg/kg	參考EN 13130-1 (2004), 用GC/MS分析. / With reference to EN 13130-1(2004) for selection of test method, analysis was performed by GC/MS. (橄欖油 / Rectified olive oil, 40°C, 1 hr) ☆	0.2	n. d.	0.6
4-甲基二苯甲酮特定遷移量 / Specific migration of 4-methylbenzophenone	mg/kg		0.2	n. d.	0.2
感官測試 (氣味) / Sensorial examination odour (Point scale)	-	參考DIN 10955 (2004), 直接接觸法. / With reference to DIN 10955 (2004), direct contact method. (蒸餾水 / Distilled water) ◆	-	0.0	2.5
感官測試 (味道) / Sensorial examination taste (Point scale)	-		-	0.0	2.5

備註(Note) :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. mg/dm² = milligram per square decimeter / 毫克/每100平方公分
3. MDL = Method Detection Limit (方法偵測極限值)
4. n. d. = Not Detected (未檢出) = 小於 (less than) MDL
5. "-" = Not Regulated (無規格值)
6. 測試條件及模擬液是由客戶指定 (Test condition & simulant were specified by client).
7. °C = degree Celsius / 攝氏溫度
8. ★ = Grade 5 / 5級
沾色灰度等級評判分為5個等級, 1為最差, 5為最好
(Grey Scale Rating is based on the 5 step scale of 1 to 5, where 1 is bad and 5 is good.)
9. ▲ 萃取三價鉻=萃取總鉻-萃取六價鉻 /
Extractable Chromium (III)= Extractable Total Chromium - Extractable Chromium (VI)
10. ◆ 感官測試之測試條件(Test condition for Sensorial examination): 40°C, 1hr
 - 0 - 沒有明顯差異 / no perceptible difference
 - 1 - 淺顯的差異 / just perceptible difference
 - 2 - 略有差異 / slight difference
 - 3 - 顯著的差異 / marked difference
 - 4 - 極大的差異 / strong difference
11. ☆ 遷移次數 / Migration times: 1st

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中華紙漿股份有限公司

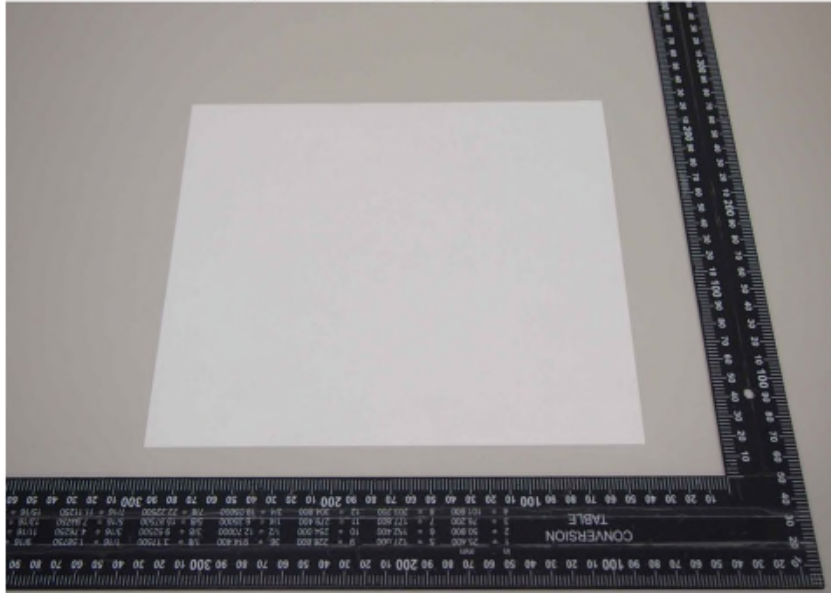
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* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 *
(The tested sample / part is marked by an arrow if it's shown on the photo.)

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** 報告結尾 (End of Report) **