

測試報告

Test Report

號碼(No.) : CT/2017/81220

日期(Date) : 2017/09/05

頁數(Page) : 1 of 4

弘陽塑膠工業有限公司

HONG YANG PLASTICS INDUSTRIAL CO., LTD.

彰化縣員林市員南路348巷18號

NO.18, LANE 348, YUANNAN RD., YUANLIN CITY, CHANGHUA COUNTY 510, TAIWAN



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) : 弘陽塑膠工業有限公司 (HONG YANG PLASTICS INDUSTRIAL CO., LTD.)
樣品名稱(Sample Description) : FITER (EASY DRINK 濾網)
樣品材質(Sample Material) : 不鏽鋼316
生產或供應廠商(Manufacturer/Vendor) : 弘陽塑膠工業有限公司 (HONG YANG PLASTICS INDUSTRIAL CO., LTD.)
原產國(Country of Origin) : 台灣 (TAIWAN)
收件日期(Sample Receiving Date) : 2017/08/25
測試期間(Testing Period) : 2017/08/25 TO 2017/09/05

測試需求(Test Requested) : 依據客戶指定, 參考歐盟指引Resolution CM/Res (2013)9 金屬與合金材質之食品接觸器具相關規範, 德國LFGB 第30條與第31條, Regulation (EC) No. 1935/2004進行測試. / As specified by client, the sample(s) was/were tested with reference to Technical Guide on Metals and alloys used in food contact materials of Council of Europe Resolution CM/Res(2013)9, LFGB Section 30 & 31, Regulation (EC) No. 1935/2004.
- 重金屬溶出量 / Extractable heavy metals.

測試方法(Test Method) : 參考EN 13130-1 (2004), 以感應耦合電漿質譜儀、感應耦合電漿原子發射光譜儀檢測. / With reference to EN 13130-1 (2004). Analysis was performed by ICP-MS, ICP-AES.

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

總 結(Conclusion) : 重金屬溶出量 / Extractable heavy metals

通過 (PASS)

Singh Hsiao / Supervisor
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 : 濾網 (FITER)

金屬/金屬塗層 - 重金屬溶出

Metal / Metallic coating - Extractable heavy metals (Unit: mg/kg)

通過 (PASS)

測試項目 (Test Items)	RL	結果 (Result)		7 x SRL	SRL
		No. 1			
		1st + 2nd	3rd		
鋁 / Aluminum (Al)	0.2	n. d.	n. d.	35	5
銻 / Antimony (Sb)	0.02	n. d.	n. d.	0.28	0.04
砷 / Arsenic (As)	0.001	n. d.	n. d.	0.014	0.002
鋇 / Barium (Ba)	0.25	n. d.	n. d.	8.4	1.2
鈹 / Beryllium (Be)	0.005	n. d.	n. d.	0.07	0.01
鎘 / Cadmium (Cd)	0.002	n. d.	n. d.	0.035	0.005
鉻 / Chromium (Cr)	0.1	0.165	n. d.	1.75	0.25
鈷 / Cobalt (Co)	0.01	n. d.	n. d.	0.14	0.02
銅 / Copper (Cu)	0.1	n. d.	n. d.	28	4
鉛 / Lead (Pb)	0.005	n. d.	n. d.	0.07	0.01
鋰 / Lithium (Li)	0.02	n. d.	n. d.	0.336	0.048
鐵 / Iron (Fe)	0.25	2.587	n. d.	280	40
錳 / Manganese (Mn)	0.25	n. d.	n. d.	12.6	1.8
汞 / Mercury (Hg)	0.002	n. d.	n. d.	0.021	0.003
鉬 / Molybdenum (Mo)	0.02	0.034	n. d.	0.84	0.12
鎳 / Nickel (Ni)	0.05	0.269	n. d.	0.98	0.14
銀 / Silver (Ag)	0.03	n. d.	n. d.	0.56	0.08
鉈 / Thallium (Tl)	0.0001	n. d.	n. d.	0.0007	0.0001
釩 / Vanadium (V)	0.005	n. d.	n. d.	0.07	0.01
鈦 / Titanium (Ti)	0.05	n. d.	n. d.	-	-
錫 / Tin (Sn)	5	n. d.	n. d.	700	100
鋅 / Zinc (Zn)	1	n. d.	n. d.	35	5
鎂 / Magnesium (Mg)	5	n. d.	n. d.	-	-

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Remark :

- 測試條件及模擬液是由客戶指定。 / Test condition & simulant were specified by client.
 - 模擬液 / Simulant Used : 0.5%檸檬酸溶液 / 0.5% citric acid in aqueous solution
 - 測試條件 / Test Condition: 100°C, 0.5 hr (小時)
- 接觸面積與模擬液體積比為 6 dm²/kg / The ratio of surface area to volume ratio was 6 dm² per 1 kg of foodstuff in contact with.

備註(Note) :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. RL = Reporting Limit / 報告極限值
3. n.d. = not detected = below Reporting Limit / 未檢出
4. SRL = Specific Release Limit / 特定遷移限值
5. °C = degree Celsius / 攝氏溫度
6. "-" = Not Regulated (無規格值)
7. 依據歐盟指引Resolution CM/Res (2013)9, 第 3 次遷移量測試結果應符合特定遷移限值(SRL), 且針對重覆使用之成品, 其第 1 次及第 2 次遷移量總合結果應不得超出 7 倍 SRL. / According to Council of Europe Resolution CM/Res(2013)9, the result from 3rd migration shall comply with the Specific Release Limit (SRL) and the sum of 1st and 2nd migration shall not exceed seven times of SRL for repeated use articles.

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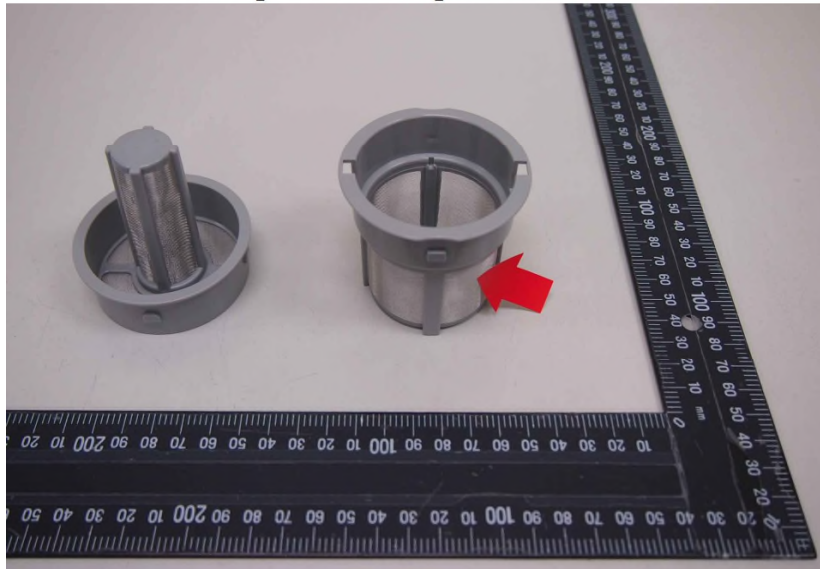
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* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 *
(The tested sample / part is marked by an arrow if it's shown on the photo.)

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** 報告結尾 (End of Report) **