

測試報告 Test Report

頁數(PAGE): 1 of 5

號碼(No.): ETF20B00035

日期(Date): 02-Dec-2020

南亞塑膠工業股份有限公司 / NAN YA PLASTICS CORPORATION

嘉義縣新港鄉中洋村中洋工業區2號 / NO. 2, CHUNGYANG INDUSTRIAL PARK, HSINKANG VILLAGE, CHIAYI COUNTY, 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) : 南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)
樣品名稱(Sample Description) : 4113M(4210M3)
樣品材質(Sample Material) : PET

===== :
收件日(Sample Receiving Date) : 23-Nov-2020
測試期間(Testing Period) : 23-Nov-2020 to 02-Dec-2020

測試需求 (Test Requested) :

- (1) 依據客戶指定，參考GB 4806.7-2016及GB 9685-2016附錄C進行測試，測試項目請參閱測試結果表格。(As specified by client, with reference to GB 4806.7-2016 and GB 9685-2016 Annex C to conduct test. Please refer to result table for testing item(s).)
- (2) 依據客戶指定，參考GB 4806.6-2016進行測試，測試項目請參閱測試結果表格。(As specified by client, with reference to GB 4806.6-2016 to conduct test. Please refer to result table for testing item(s).)

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

蕭志祥
蕭志祥 / 副理
化學實驗室 - 台北
台灣檢驗科技股份有限公司
報告簽署人




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測試部位敘述(Test Part Description)

No.1 : 白色塑膠片 (WHITE PLASTIC SHEET)

測試結果(Test Results)

(1)

通過(PASS)

測試項目 (Test Item(s))	測試方法 (Method)	單位 (Unit)	RL	結果 (Result) No.1	限值 (Limit)
總遷移量 (4% 醋酸, 70°C, 2小時) / Overall Migration (4% acetic acid, 70°C, 2 h)	參考 GB 5009.156-2016, GB 31604.8-2016 / With reference to GB 5009.156-2016, GB 31604.8- 2016	mg/dm ²	3	n.d.	10
總遷移量 (50% 乙醇, 70°C, 2小時) / Overall Migration (50% ethanol, 70°C, 2 h)	參考 GB 5009.156-2016, GB 31604.8-2016 / With reference to GB 5009.156-2016, GB 31604.8- 2016	mg/dm ²	3.0	n.d.	10
銦 / Barium (Ba)	參考 GB 5009.156-2016, GB 31604.1-2015, 以感應耦合電漿發射 光譜儀分析。(4% 醋酸, 70°C, 2小時) / With reference to GB 5009.156- 2016 and GB 31604.1-2015, the analysis was performed by ICP-OES. (4% Acetic Acid, 70°C, 2 h)	mg/kg	0.25	n.d.	1
鈷 / Cobalt (Co)		mg/kg	0.01	n.d.	0.05
銅 / Copper (Cu)		mg/kg	0.25	n.d.	5
鐵 / Iron (Fe)		mg/kg	0.25	n.d.	48
鋰 / Lithium (Li)		mg/kg	0.5	n.d.	0.6
錳 / Manganese (Mn)		mg/kg	0.25	n.d.	0.6
鋅 / Zinc (Zn)		mg/kg	0.5	n.d.	25
銦 / Barium (Ba)	參考 GB 5009.156-2016, GB 31604.1-2015, 以感應耦合電漿發射 光譜儀分析。(50% 乙醇, 70°C, 2小時) / With reference to GB 5009.156- 2016 and GB 31604.1-2015, the analysis was performed by ICP-OES. (50% ethanol, 70°C, 2 h)	mg/kg	0.25	n.d.	1
鈷 / Cobalt (Co)		mg/kg	0.01	n.d.	0.05
銅 / Copper (Cu)		mg/kg	0.25	n.d.	5
鐵 / Iron (Fe)		mg/kg	0.25	n.d.	48
鋰 / Lithium (Li)		mg/kg	0.5	n.d.	0.6
錳 / Manganese (Mn)		mg/kg	0.25	n.d.	0.6
鋅 / Zinc (Zn)		mg/kg	0.5	n.d.	25

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(1)

測試項目 (Test Item(s))	測試方法 (Method)	單位 (Unit)	RL	結果 (Result)	限值 (Limit)
				No.1	
甲醛特定遷移 / Specific Migration of Formaldehyde	參考 GB 31604.48-2016 (4% 醋酸, 70°C, 2小時) / With reference to GB 31604.48-2016 (4% acetic acid, 70°C, 2 h)	mg/kg	0.1	n.d.	15
	參考 GB 31604.48-2016 (50% 乙醇, 70°C, 2小時) / With reference to GB 31604.48-2016 (50% ethanol, 70°C, 2 h)	mg/kg	0.1	n.d.	15
雙酚 A 特定遷移 / Specific Migration of Bisphenol A	參考 GB 31604.10-2016, 以液相層析串聯式質譜儀分析。(4% 醋酸, 70°C, 2 小時) / With reference to GB 31604.10-2016, the analysis was performed by LC/MS/MS. (4% acetic acid, 70°C, 2 h)	mg/kg	0.01	n.d.	0.6
	參考 GB 31604.10-2016, 以液相層析串聯式質譜儀分析。(50% 乙醇, 70°C, 2 小時) / With reference to GB 31604.10-2016, the analysis was performed by LC/MS/MS. (50% ethanol, 70°C, 2 h)	mg/kg	0.01	n.d.	0.6
三聚氰胺特定遷移 / Specific Migration of Melamine	參考 GB 31604.15-2016 / With reference to GB 31604.15-2016 (4% 醋酸 / 4% acetic acid, 70°C, 2 h)	mg/kg	0.5	n.d.	2.5
	參考 GB 31604.15-2016 / With reference to GB 31604.15-2016 (50% 乙醇 / 50% ethanol, 70°C, 2 h)	mg/kg	0.5	n.d.	2.5

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(2)

測試項目 (Test Item(s))	測試方法 (Method)	單位 (Unit)	RL	結果 (Result)	限值 (Limit)
				No.1	
水提取物 / Water extractives	參考 GB 31604.5-2016 / With reference to GB 31604.5-2016	%	0.1	n.d.	0.5
正己烷提取物 / Hexane extractives	參考 GB 31604.5-2016 / With reference to GB 31604.5-2016	%	0.1	n.d.	0.5
65%乙醇提取物 / 65% ethanol extractives	參考 GB 31604.5-2016 / With reference to GB 31604.5-2016	%	0.1	n.d.	0.5
鉛-4% 醋酸 / Pb - 4% acetic acid	參考 GB 31604.34-2016 / With reference to GB 31604.34-2016	mg/kg	0.05	n.d.	1
4%醋酸提取物 / 4% acetic acid extractives	參考 GB 31604.5-2016 / With reference to GB 31604.5-2016	%	0.1	n.d.	0.5

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. RL = Reporting Limit (報告極限值)
4. n.d. = Not Detected (未檢出) = Less than (小於) RL
5. 符合性結果之判定係以測試結果與限值做比較。(The statement of compliance conformity is based on comparison of testing results and limits.)
6. °C = degree Celsius (攝氏溫度)
7. 測試條件及模擬液是由客戶指定。(Test condition and simulant were specified by client.)

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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.)

ETF20B00035



** 報告結尾 (End of Report) **

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