

Report No. 報告號碼: 48254422f9 001

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Client 客戶: FORMOSA PLASTICS CORPORATION/台灣塑膠工業股份有限公司  
No. 1, Formosa Industrial Complex, Mailiao, Yunlin 638, Taiwan, R.O.C./  
台灣 雲林縣麥寮鄉638台塑工業園區1號

Test item(s) 測試樣品: 台塑烯管級線性低密度聚乙烯/Taisox LLDPE Pipe Grade Resin

Identification/Model No(s): 2100RT, 3100RT  
樣品描述/規格:

Sample obtaining method: Sending by customer  
樣品獲取方式:

Condition at delivery: Test item complete and undamaged.  
樣品接收狀態:

Sample receiving date: 2024-11-12  
收樣日期:

Testing period: 2024-11-12 – 2024-12-13  
測試週期:

Place of testing: TÜV Rheinland Hong Kong Ltd.  
測試地點:

Test specification 測試要求:

Test result 測試結果:

Testing according to customer's specification for the following parameters:  
FDA 21 CFR 177.1520

Pass/合格

Other information: All the above models are the same chemical composition/color/manufacturing process  
其他信息: according to client's declaration.

For and on behalf of  
TÜV Rheinland Taiwan Ltd.

Arthur Cheng



2025-01-02  
Date 日期

Arthur Cheng/Project Manager  
Name/Position 姓名/職位

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.  
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.  
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.  
樣品信息由客戶提供。測試結果根據所做測試的種類和範圍而得出。本測試報告僅對來樣負責。未經本測試中心許可，測試報告不得部分複製。不能根據此報告在上述產品或類似產品上使用任何安全標誌。本測試報告中，描述符合性聲明所應用的判定規則發佈在我司官網 <https://www.tuv.com/landingpage/en/qm-gcn/>。

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## Material list/材料清單

Mat. No./ 材料號碼	Material/材質	Color/顏色	Location/位置
1	Plastic/塑膠	White/白色	TCL241112-13

## 1. Extractive Substances for Olefin Polymers

Test method / 測試方法: With reference to FDA 21 CFR 177.1520(d):

Limit / 測試要求: FDA 21 CFR 177.1520(c)

The following simulating solvents and test conditions were stipulated per client's request:

Food simulant / 食物模擬劑	Test duration / Temperature 測試時間 / 溫度
n-Hexane / 正己烷	2 hour(s) / 50 °C
Xylene / 二甲苯	2 hour(s) / 25 °C

Material No./材料號碼	Mat.1		
Parameter/測試項目	Unit/單位	Result/結果	Limit/限值
n-Hexane / 正己烷	%	<2	5.5
Xylene / 二甲苯	%	<2	30

Abbreviations: % = Percentage  
< = Less than

Remark:

\*1 According to FDA 21 CFR 177.1520(c), articles in contact with food should not exceed the following limits:

Category*	Unit	Description	Maximum extractable fraction in	
			n-Hexane	Xylene
1.	%	Polypropylene	6.4	9.8
2.	1.	Polyethylene for use in articles that contact food except for articles used for packing or holding food during cooking	5.5	11.3
	2.	Polyethylene for use in articles used for packing or holding food during cooking	2.6	11.3
3.1.a	%	Olefin copolymers with two or more of the 1-alkenes having 2 to 8 carbon atoms for use in articles that contact food except for articles used for packing or holding food during cooking	5.5	30

\* Most common categories acc. to FDA 21 CFR 177.1520(c) are displayed.

\*2 The examined item does meet the requirement/此測試項目符合要求

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**Test Sample/測試樣品**



--- End of Test-Report / 此報告結束---