

## Test Report 測試報告

Number 報告號碼 : TWNC00864872

Issue Date 報告發行日期 : Feb 25, 2020

Applicant 申請廠商: Simpla Biotech Co., Ltd.  
新浦樂生化科技股份有限公司  
6F, Information Management  
and Education Building A,  
No. 2, Sec. 1, Ren ai Rd., Linkou Dist.,  
New Taipei City 24449, Taiwan, R.O.C.  
新北市林口區仁愛路 1 段 2 號  
資訊與教學大樓 A 棟 6 樓

### Sample Description 樣品敘述:

One (1) Group of Submitted Samples Said To Be:

壹(一)件所送檢樣品據指各為:

Name Of Sample : PLA Drinking Straw

樣品名稱

Country of Origin : Taiwan

原產地 台灣

Manufacturer : Simpla Biotech Co., Ltd.

製造廠商 新浦樂生化科技股份有限公司

Goods Exported to : Japan

外銷國家 日本

Date Job Applied : Feb 25, 2020

報告申請日期

### Test Conducted 測試內容:

Tests were conducted by applicant's request, for details please refer to attached pages.

依據客戶要求執行測試，結果請參考附頁。

### Conclusion 結論:

Please see page two.

請見第二頁。

### Remarks 備註:

Results were transferred from report No. TWNC00855614 dated Jan 21, 2020.

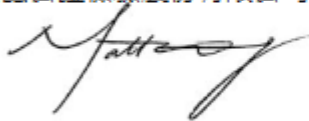
分析結果是由 TWNC00855614，日期 Jan 21, 2020 的報告轉載

Authorized by 審核者:

On Behalf of Intertek Testing Services

Taiwan Limited

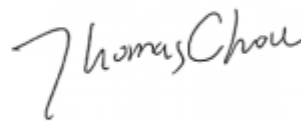
全國公證檢驗股份有限公司



Matt Wang 王政雄

Sr. Manager 資深經理

Signed by 報告簽署人:



Thomas Chou 周世民

Manager 經理



Page 1 of 4



# Test Report 測試報告

Number 報告號碼 : TWNC00864872

Conclusion 結論:

Test Sample 測試樣品  
Submitted Samples  
送檢樣品

Standard 標準

Test for Foodstuffs, Implements, Containers, and Packaging  
食品添加物、器具、容器和包裝測試

Result 結果

– As per Notification No. 370, 1959 of Ministry of Health, Labour and Welfare and its amendment MHLW No. 336, 2010 under the Japan Food Sanitation Law (Law No. 233, 1947).  
依據日本厚生勞動省於 1959 年頒布第 370 號告示及其更新指令於 2010 年頒布第 336 號告示和 1947 年頒布的日本食品衛生法第 233 號法律

Catalog 類別: Polylactic Acid 聚乳酸塑膠類(PLA)

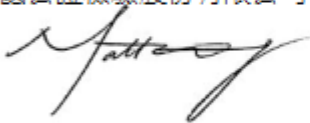
- Leachable Colors Content 著色劑溶出試驗 Pass 合格
- Total Lead(Pb) Content 總鉛含量 Pass 合格
- Total Cadmium(Cd) Content 總鎘含量 Pass 合格
- Consumption of Potassium Permanganate 高錳酸鉀消耗量 Pass 合格
- Leachable Heavy Metal (As Lead) 重金屬溶出量(以 Pb 計) Pass 合格
- Evaporated Residues 蒸發殘渣 Pass 合格
- Total Lactic Acid 總乳酸溶出試驗 Pass 合格

Migration Condition 溶出條件:

<u>Test Item 測試項目</u>	<u>Simulant 溶媒</u>	<u>Temperature(°C) 測試溫度</u>	<u>Time(Min) 測試時間</u>
Leachable Colors Test 著色劑溶出試驗	Water 水	40	10
Consumption of Potassium Permanganate 高錳酸鉀消耗量	Water 水	60	30
Leachable Heavy Metal (As Lead) 重金屬溶出量(以 Pb 計)	4% Acetic Acid 4%醋酸	60	30
Evaporated Residues 蒸發殘渣	Water 水	60	30
	4% Acetic Acid 4%醋酸	60	30
	20% Alcohol 20%酒精	60	30
Total Lactic Acid 總乳酸溶出試驗	Water 水	60	30

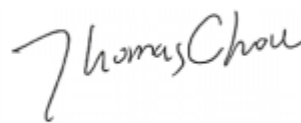
Authorized by 審核者:

On Behalf of Intertek Testing Services  
Taiwan Limited  
全國公證檢驗股份有限公司




Matt Wang 王政雄  
Sr. Manager 資深經理

Signed by 報告簽署人:



Thomas Chou 周世民  
Manager 經理



# Test Report 測試報告

Number 報告號碼 : TWNC00864872

Test Conducted 測試內容

## Test for Foodstuffs, Implements, Containers, and Packaging 食品添加物、器具、容器和包裝測試

As per Specifications and Standards and Testing Methods of "Foodstuffs", "Implements", "Containers and Packaging", "Toys" and "Detergents", Section IV - Apparatus and Containers and Packages, (Notification No. 370, 1959 of Ministry of Health, Labour and Welfare) and amendment (MHLW No. 336, 2010), under the Japan Food Sanitation Law (Law No. 233, 1947).

依據日本厚生勞動省於 1959 年頒布第 370 號告示-食品添加物、器具、容器和包裝標準與準則之第四部分及其更新指令於 2010 年頒布第 336 號告示和 1947 年頒布的日本食品衛生法第 233 號法律進行試驗。

### Leachable Colors Test 著色劑溶出試驗

Simulant 溶媒	Result 結果	Limit 限值
	White plastic straw	
Water (Foods with a Ph > 5) 水 (pH 5 以上)	Not Detected 未檢出	Not Detected

### Material Test 材質試驗

Test Item 測試項目	Result 結果(ppm)	Detection Limit 定量極限(ppm)	Limit 限值 (ppm)
	White plastic straw		
Total Lead(Pb) Content 總鉛含量	Not Detected 未檢出	5.0	100
Total Cadmium(Cd) Content 總鉛含量	Not Detected 未檢出	0.5	100

### Migration Test 溶出試驗

Test Item 測試項目	Result 結果(ppm)	Detection Limit 定量極限(ppm)	Limit 限值 (ppm)
	White plastic straw		
Consumption of Potassium Permanganate 高錳酸鉀消耗量	1.6	0.2	10
Leachable Heavy Metal (As Lead) 重金屬溶出量(以 Pb 計)	< 1	--	1
Total Lactic Acid 總乳酸溶出試驗	Not Detected 未檢出	5	30

### Evaporated Residues 蒸發殘渣

Simulant 溶媒	Result 結果(ppm)	Detection Limit 定量極限(ppm)	Limit 限值 (ppm)
	White plastic straw		
Water 水	Not Detected 未檢出	1	30
4% Acetic Acid 4%醋酸	10	1	30
20% Alcohol 20%酒精	8	1	30

Remarks 備註: ppm = Parts of Million 百萬分之一= mg/kg 毫克/公斤  
< = Less than 小於



## Test Report 測試報告

Number 報告號碼 : TWNC00864872

Sample photo 樣品照片:



End of Report

*Except where explicitly agreed in writing, all work and services performed by Intertek is subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek-twn.com/terms/>. Intertek's responsibility and liability are limited to the terms and conditions of the agreement.*

*This report is made solely on the basis of your instructions and / or information and materials supplied by you and provide no warranty on the tested sample(s) be truly representative of the sample source. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. Intertek is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received and accepts no responsibility to any parties whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works. This report does not discharge or release you from your legal obligations and duties to any other person. You are the only one authorized to permit copying or distribution of this report (and then only in its entirety). Any such third parties to whom this report may be circulated rely on the content of the report solely at their own risk.*

**Reporting Statements of Conformity:** *Please note that the test results contain statement of conformity with the decision rules which are based on the specifications of customers, regulations and standards, and does not consider measurement uncertainty.*



Page 4 of 4

