

## 測試報告

報告編號(No.): HTF21900693

報告日期(DATE): 2021/10/06

頁數(PAGE): 1 of 7

## Test Report

毅達吸管股份有限公司 ( I-DA STRAW CO., LTD. )

桃園市楊梅區瑞原里民有路一段307-3號 ( NO. 307-3, SEC. 1, MINYOU RD., YANGMEI DIST., TAOYUAN CITY 32648, 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) :

樣品名稱(Sample Description) : WHITE PAPER STRAW (白色紙吸管)  
樣品包裝/數量(Sample Package/Quantity) : 散裝 ( BULK PACKAGING ) / -  
樣品保存方式(Sample Packaging) : 常溫 ( AMBIENT TEMP. )  
樣品型號(Style/Item No.) : -  
樣品批號(Lot. No.) : -  
樣品材質(Sample Material) : 紙 ( PAPER )  
送樣廠商(Sample Submitted By) : 毅達吸管股份有限公司 ( I-DA STRAW CO., LTD. )  
送樣廠商地址/電話/聯絡人(Company Add/Tel/Contact Person) : 桃園市楊梅區瑞原里民有路一段307-3號( NO. 307-3, SEC. 1, MINYOU RD., YANGMEI DIST., TAOYUAN CITY 32648, TAIWAN) / 03-4851621 / 蔡家弘  
製造日期(Manufacturing Date) : 2021/09/22  
有效日期(Expiry Date) : 2022/09/21  
原產國(Country Of Origin) : 台灣(R.O.C)

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收件日(Sample Receiving Date) : 2021/09/27  
測試期間(Testing Period) : 2021/09/27 to 2021/10/06

### 測試需求 (Test Requested) :

依據客戶指定，參考中華民國食品器具容器包裝衛生標準 (102.08.20部授食字第1021350146號令修正) 進行測試。測試項目請參閱測試結果表格。(As specified by client, with reference to Sanitation Standard for Food Utensils, Containers and Packages (MOHW Food No. 1021350146, amended on 2013/08/20) to conduct test. Please refer to the result table(s) 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 : 白色紙吸管 (WHITE PAPER STRAW)

## 測試結果(Test Results)

測試項目 (Test Item(s))	測試方法 (Method)	單位 (Unit)	LOQ/ LOD	結果 (Result)	食品衛生 法規 (Limit)
				No.1	
★甲醛-(水, 60°C, 30分鐘) / Formaldehyde-(water, 60°C, 30 min)	食品器具、容器、包裝檢驗方法-未以塑膠淋膜紙類製品之檢驗 (107年9月27日衛授食字第1071901922號公告) · 以分光光度計分析。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Uncoated Paper Products (MOHW Food No. 1071901922 announced, September 27, 2018), analysis was performed by spectrophotometer.	ppm	4	n.d.	陰性 / Negative
★砷以As <sub>2</sub> O <sub>3</sub> 計-(水, 60°C, 30分鐘) / Arsenic (As) (as As <sub>2</sub> O <sub>3</sub> )-(water, 60°C, 30 min)	食品器具、容器、包裝檢驗方法-未以塑膠淋膜紙類製品之檢驗 (107年9月27日衛授食字第1071901922號公告) · 以感應耦合電漿儀質譜分析。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Uncoated Paper Products (MOHW Food No. 1071901922 announced, September 27, 2018), analysis was performed by ICP-MS.	ppm	0.02*	n.d.	0.1
★砷以As <sub>2</sub> O <sub>3</sub> 計-(4%醋酸, 60°C, 30分鐘) / Arsenic (As) (as As <sub>2</sub> O <sub>3</sub> )-(4% acetic acid, 60°C, 30 min)	食品器具、容器、包裝檢驗方法-未以塑膠淋膜紙類製品之檢驗 (107年9月27日衛授食字第1071901922號公告) · 以感應耦合電漿儀質譜分析。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Uncoated Paper Products (MOHW Food No. 1071901922 announced, September 27, 2018), analysis was performed by ICP-MS.	ppm	0.02*	n.d.	0.1

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測試項目 (Test Item(s))	測試方法 (Method)	單位 (Unit)	LOQ/ LOD	結果 (Result)	食品衛生 法規 (Limit)
				No.1	(Limit)
★螢光增白劑 / Fluorescent Brightening Agents	食品器具、容器、包裝檢驗方法-未以塑膠淋膜紙類製品之檢驗 (107年9月27日衛授食字第1071901922號公告) 。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Uncoated Paper Products (MOHW Food No. 1071901922 announced, September 27, 2018).	-	-	未檢出 / Not detected	不得檢出 / Negative
★重金屬(以鉛計)-(4%醋酸, 60°C, 30分鐘) / Heavy metal (as Pb)-(4% acetic acid, 60°C, 30 min)		ppm	-	<1	1
★蒸發殘渣-(正庚烷, 25°C, 1小時) / Evaporation residue-(n-Heptane, 25°C, 1 hr)		ppm	3	10	30
★氯仿可溶物-(水, 60°C, 30分鐘) / Chloroform soluble-(water, 60°C, 30 min)		ppm	3	4	40
★氯仿可溶物-(4%醋酸, 60°C, 30分鐘) / Chloroform soluble-(4% acetic acid, 60°C, 30 min)		ppm	3	3	40
★氯仿可溶物-(20%酒精, 60°C, 30分鐘) / Chloroform soluble-(20% alcohol, 60°C, 30 min)		ppm	3	n.d.	40

### 備註(Note) :

1. 檢驗報告僅就委託者之委託事項提供檢驗結果，不對產品合法性做判斷。(The test report merely reflects the test results of the consigned matters of the client and is not a certification of the legitimacy of the related products.)
2. 本檢驗報告之所有檢驗內容，均依委託事項執行檢驗，如有不實，願意承擔完全責任。(All contents in the test report are conducted according to the customer-specified items. If there is any falsehood, we are willing to take corresponding responsibility.)
3. 本報告不得分離或擷錄使用。(The report is invalid if it is partly reproduced or used.)
4. mg/kg = ppm ; 0.1wt% = 1000 ppm

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5. LOQ = 定量極限 · 若該測試項目屬於定量分析則以「LOQ」表示 ; LOD = 偵測極限 · 若該測試項目屬於定性分析則以「LOD」表示。(LOQ = Limit of Quantification, for quantitative analyses; LOD = Limit of Detection, for qualitative analyses.)
6. n.d. = Not Detected (未檢出) = Less than (小於) LOQ/LOD = Negative (陰性)
7. "-" = Not Regulated (無規格值)
8. Negative = 未檢出 / 陰性 ; Positive = 檢出 / 陽性
9. "\*" = 以As為分析物 / Arsenic is the target analyte.
10. 測試項目名稱旁有★者 · 為本實驗室通過衛生福利部食品藥物管理署認證項目。(The test method marked with ★ is accredited by MOHW.)
11. 法規標準值係依據衛生福利部食品藥物管理署102年08月20日部授食字第1021350146號令 食品器具容器包裝衛生標準之法規限值。(The limit value(s) is/are according to "Sanitation Standard for Food Utensils, Containers and Packages (MOHW Food No. 1021350146, amended on 2013/08/20)", Taiwan Food and Drug Administration, Ministry of Health and Welfare.)

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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) \*\*

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以下為申請廠商委託測試項目、測試方法、定量/偵測極限：

( The information requested from client is shown as below : )

HTF21900693

測試項目 (Test Items)	測試方法 (Method)	LOQ/LOD
★甲醛-(水, 60°C, 30分鐘) / Formaldehyde-(water, 60°C, 30 min)	食品器具、容器、包裝檢驗方法-未以塑膠淋膜紙類製品之檢驗 (107年9月27日衛授食字第1071901922號公告) · 以分光光度計分析。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Uncoated Paper Products (MOHW Food No. 1071901922 announced, September 27, 2018), analysis was performed by spectrophotometer.	詳見測試結果之定量/偵測極限。(Please refer to the result table above.)
★砷以As <sub>2</sub> O <sub>3</sub> 計-(水, 60°C, 30分鐘) / Arsenic (As) (as As <sub>2</sub> O <sub>3</sub> )-(water, 60°C, 30 min)	食品器具、容器、包裝檢驗方法-未以塑膠淋膜紙類製品之檢驗 (107年9月27日衛授食字第1071901922號公告) · 以感應耦合電漿儀質譜分析。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Uncoated Paper Products (MOHW Food No. 1071901922 announced, September 27, 2018), analysis was performed by ICP-MS.	
★砷以As <sub>2</sub> O <sub>3</sub> 計-(4%醋酸, 60°C, 30分鐘) / Arsenic (As) (as As <sub>2</sub> O <sub>3</sub> )-(4% acetic acid, 60°C, 30 min)		
★螢光增白劑 / Fluorescent Brightening Agents		
★重金屬(以鉛計)-(4%醋酸, 60°C, 30分鐘) / Heavy metal (as Pb)-(4% acetic acid, 60°C, 30 min)	食品器具、容器、包裝檢驗方法-未以塑膠淋膜紙類製品之檢驗 (107年9月27日衛授食字第1071901922號公告) · / Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Uncoated Paper Products (MOHW Food No. 1071901922 announced, September 27, 2018).	
★蒸發殘渣-(正庚烷, 25°C, 1小時) / Evaporation residue-(n-Heptane, 25°C, 1 hr)		
★氯仿可溶物-(水, 60°C, 30分鐘) / Chloroform soluble-(water, 60°C, 30 min)		

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以下為申請廠商委託測試項目、測試方法、定量/偵測極限：

( The information requested from client is shown as below : )

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測試項目 (Test Items)	測試方法 (Method)	LOQ/LOD
★氯仿可溶物-(4%醋酸, 60°C, 30分鐘) / Chloroform soluble-(4% acetic acid, 60°C, 30 min)	食品器具、容器、包裝檢驗方法-未以塑膠淋膜紙類製品之檢驗 (107年9月27日衛授食字第1071901922號公告) 。 / Methods of Test for Food Utensils, Containers and Packages - Test of Plastic Uncoated Paper Products (MOHW Food No. 1071901922 announced, September 27, 2018).	詳見測試結果之定量/偵測極限。(Please refer to the result table above.)
★氯仿可溶物-(20%酒精, 60°C, 30分鐘) / Chloroform soluble-(20% alcohol, 60°C, 30 min)		

測試項目名稱旁有★者，為本實驗室通過衛生福利部食品藥物管理署認證項目。(The test method marked with ★ is accredited by MOHW.)