

## 測試報告

## Test Report

報告編號(No.): CT/2020/41551 報告日期(Date): 2020/05/12 頁數(Page) : 1 of 7

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) : ORANGE PLASTIC STRAW (橘色塑膠吸管)  
樣品包裝/數量(Sample Package/Quantity) : 散裝/1 (BULK PACKAGING / 1)  
樣品保存方式(Sample Packaging) : 室溫 (ROOM TEMPERATURE)  
樣品型號(Style/Item No.) : -  
樣品批號(Lot No.) : -  
樣品材質(Sample Material) : PP  
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 Address/Tel/Contact Person) : 桃園市楊梅區瑞原里民有路一段307-3號/03-4851621/蔡家弘 (NO. 307-3, SEC. 1, MINYOU RD., YANGMEI DIST., TAOYUAN CITY 32648, TAIWAN/03-4851621/蔡家弘)  
製造日期(Manufacturing Date) : -  
有效日期(Expiry Date) : -  
原產國(Country of Origin) : 台灣 (TAIWAN)  
收件日期(Sample Receiving Date) : 2020/04/30  
測試期間(Testing Period) : 2020/04/30 TO 2020/05/12

### 測試需求(Test Requested) :

- (1) 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 for testing item(s).
- (2) 依據客戶指定, 參考中華民國食品安全衛生管理法(108.06.12)第26條進行測試. 測試項目請參閱測試結果表格. / As specified by client, with reference to Act Governing Food Sanitation Article 26 (amended and promulgated on Jun. 12, 2019) to conduct test. Please refer to the result table for testing item(s).

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

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



# 測試報告

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### 測試結果(Test Results)

測試部位(PART NAME)No. 1 : 橘色塑膠吸管 (ORANGE PLASTIC STRAW)

(1)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	LOQ/LOD	結果 (Result)	限值 (Limit)
				No. 1	
★鉛 / Lead (Pb)	ppm	食品器具、容器、包裝檢驗方法-聚丙烯(PP)塑膠類之檢驗(107年9月17日衛授食字第1071901787號公告), 以ICP-AES分析. / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polypropylene (PP) Plastic Products (MOHW Food No. 1071901787 announced, Sep 17, 2018). Analysis was performed by ICP-AES.	5	n. d.	100
★鎘 / Cadmium (Cd)	ppm	食品器具、容器、包裝檢驗方法-聚丙烯(PP)塑膠類之檢驗(107年9月17日衛授食字第1071901787號公告). / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polypropylene (PP) Plastic Products (MOHW Food No. 1071901787 announced, Sep 17, 2018).	0.5	n. d.	100
★高錳酸鉀消耗量-(水, 60°C, 30分鐘) / Consumption of potassium permanganate-(water, 60°C, 30 min)	ppm	食品器具、容器、包裝檢驗方法-聚丙烯(PP)塑膠類之檢驗(107年9月17日衛授食字第1071901787號公告). / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polypropylene (PP) Plastic Products (MOHW Food No. 1071901787 announced, Sep 17, 2018).	3	n. d.	10
★蒸發殘渣-(水, 60°C, 30分鐘) / Evaporation residue-(water, 60°C, 30 min)	ppm	食品器具、容器、包裝檢驗方法-聚丙烯(PP)塑膠類之檢驗(107年9月17日衛授食字第1071901787號公告). / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polypropylene (PP) Plastic Products (MOHW Food No. 1071901787 announced, Sep 17, 2018).	10	n. d.	30
★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	食品器具、容器、包裝檢驗方法-聚丙烯(PP)塑膠類之檢驗(107年9月17日衛授食字第1071901787號公告). / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polypropylene (PP) Plastic Products (MOHW Food No. 1071901787 announced, Sep 17, 2018).	-	<1	1
★著色劑-(水, 60°C, 30分鐘) / Colouring agent-(water, 60°C, 30 min)	ppm	食品器具、容器、包裝檢驗方法-塑膠類之檢驗(107年10月4日衛授食字第1071901983號公告). / According to Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, Oct 04, 2018).	50	未檢出 / Not detected	-
★著色劑-(4%醋酸, 60°C, 30分鐘) / Colouring agent-(4% acetic acid, 60°C, 30 min)	ppm	食品器具、容器、包裝檢驗方法-塑膠類之檢驗(107年10月4日衛授食字第1071901983號公告). / According to Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, Oct 04, 2018).	50	未檢出 / Not detected	-

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(1)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	LOQ/LOD	結果 (Result)	限值 (Limit)
				No. 1	
★鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No. : 117-81-7)	%	CNS 15138-1 (民國101年), 以氣相層析 /質譜儀檢測. / According to CNS 15138-1 (2012). Analysis was performed by GC/MS.	0.003	n. d.	0.1
★鄰苯二甲酸二丁酯 / DBP (Di-n-butyl phthalate) (CAS No. : 84-74-2)	%		0.003	n. d.	0.1
★鄰苯二甲酸丁苄甲酯 / BBP (Butyl Benzyl phthalate) (CAS No. : 85-68-7)	%		0.003	n. d.	0.1
★鄰苯二甲酸二正辛酯 / DNOP (Di-n- octyl phthalate) (CAS No. : 117-84-0)	%		0.003	n. d.	0.1
★鄰苯二甲酸二異壬酯 / DINP (Diisononyl phthalate) (CAS No. : 28553-12-0; 68515-48-0)	%		0.01	n. d.	0.1
★鄰苯二甲酸二甲酯 / DMP (Dimethyl phthalate) (CAS No. : 131-11-3)	%		0.003	n. d.	0.1
★鄰苯二甲酸二異癸酯 / DIDP (Diisodecyl phthalate) (CAS No. : 26761-40-0; 68515-49-1)	%		0.01	n. d.	0.1
★鄰苯二甲酸二乙酯 / DEP (Diethyl phthalate) (CAS No. : 84-66-2)	%		0.003	n. d.	0.1

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(2)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	LOQ/LOD	結果 (Result)	限值 (Limit)
				No. 1	
★耐熱性試驗 / Heat Tolerance (90°C, 1 h)	-	塑膠類食品器具容器包裝之耐熱溫度標示符合性試驗方法(106年11月13日衛授食字第1061902219號公告). / According to Methods of Test for Labeling Conformance of Heat Tolerance of Plastic Food Utensils, Containers and Packages (MOHW Food No. 1061902219 announced, November 13, 2017).	-	功能性正常，無變褪色 / No appearance change	功能性正常，無變褪色 / No appearance change

### 備註(Note):

- 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.)
- 本報告不得分離或擷錄使用。/ The report is invalid if it is partly reproduced or used.
- 0.1 wt% = 1000 ppm
- LOQ = Limit of Quantification (定量極限) ; LOD = Limit of Detection(偵測極限)
- n.d. = Not Detected (未檢出) = 小於 (less than) LOQ / LOD
- "-" = Not Regulated (無規格值)
- 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.)
- 測試項目名稱旁有●者，為本實驗室擴充原方法適用基質，非屬食藥署該項認證範圍。(When there is a ● next to the test item, the test method was applied to the material out of the scope from MOHW accreditation.)

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毅達吸管股份有限公司

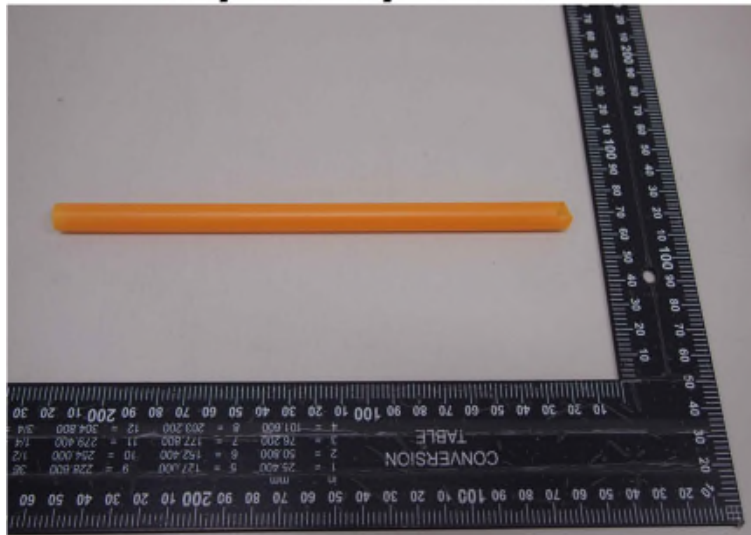
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\* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 \*  
(The tested sample / part is marked by an arrow if it's shown on the photo.)

### CT/2020/41551



\*\* 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 : )

CT/2020/41551

測試項目 (Test Items)	測試方法 (Method)	LOQ / LOD
★鉛 / Lead (Pb)	食品器具、容器、包裝檢驗方法-聚丙烯(PP)塑膠類之檢驗(107年9月17日衛授食字第1071901787號公告), 以ICP-AES分析. / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polypropylene (PP) Plastic Products (MOHW Food No. 1071901787 announced, Sep 17, 2018). Analysis was performed by ICP-AES.	詳見測試結果之定量/偵測極限(Please refer to the result table above.)
★鎘 / Cadmium (Cd)		
★高錳酸鉀消耗量-(水, 60°C, 30分鐘) / Consumption of potassium permanganate-(water, 60°C, 30 min)	食品器具、容器、包裝檢驗方法-聚丙烯(PP)塑膠類之檢驗(107年9月17日衛授食字第1071901787號公告). / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polypropylene (PP) Plastic Products (MOHW Food No. 1071901787 announced, Sep 17, 2018).	
★蒸發殘渣-(水, 60°C, 30分鐘) / Evaporation residue-(water, 60°C, 30 min)		
★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)		
★著色劑-(水, 60°C, 30分鐘) / Colouring agent-(water, 60°C, 30 min)	食品器具、容器、包裝檢驗方法-塑膠類之檢驗(107年10月4日衛授食字第1071901983號公告). / According to Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, Oct 04, 2018).	
★著色劑-(4%醋酸, 60°C, 30分鐘) / Colouring agent-(4% acetic acid, 60°C, 30 min)		
★鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No. : 117-81-7)	CNS 15138-1 (民國101年), 以氣相層析/質譜儀檢測. / According to CNS 15138-1 (2012). Analysis was performed by GC/MS.	
★鄰苯二甲酸二丁酯 / DBP (Di-n-butyl phthalate) (CAS No. : 84-74-2)		

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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 : )

CT/2020/41551

測試項目 (Test Items)	測試方法 (Method)	LOQ / LOD
★鄰苯二甲酸丁苯甲酯 / BBP (Butyl Benzyl phthalate) (CAS No. : 85-68-7)	CNS 15138-1 (民國101年)，以氣相層析/質譜儀檢測。 / According to CNS 15138-1 (2012). Analysis was performed by GC/MS.	詳見測試結果之定量/偵測極限(Please refer to the result table above.)
★鄰苯二甲酸二正辛酯 / DNOP (Di-n-octyl phthalate) (CAS No. : 117-84-0)		
★鄰苯二甲酸二異壬酯 / DINP (Diisononyl phthalate) (CAS No. : 28553-12-0; 68515-48-0)		
★鄰苯二甲酸二甲酯 / DMP (Dimethyl phthalate) (CAS No. : 131-11-3)		
★鄰苯二甲酸二異癸酯 / DIDP (Diisodecyl phthalate) (CAS No. : 26761-40-0; 68515-49-1)		
★鄰苯二甲酸二乙酯 / DEP (Diethyl phthalate) (CAS No. : 84-66-2)		
★耐熱性試驗 / Heat Tolerance (90°C, 1 h)	塑膠類食品器具容器包裝之耐熱溫度標示符合性試驗方法 (106年11月13日衛授食字第1061902219號公告)。 / According to Methods of Test for Labeling Conformance of Heat Tolerance of Plastic Food Utensils, Containers and Packages (MOHW Food No. 1061902219 announced, November 13, 2017).	

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. )

測試項目名稱旁有●者，為本實驗室擴充原方法適用基質，非屬食藥署該項認證範圍。(When there is a ● next to the test item, the test method was applied to the material out of the scope from MOHW accreditation. )