

測試報告 Test Report

號碼(No.) : CT/2018/61110B

日期(Date) : 2018/07/12

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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) | : | |
| 樣品名稱(Sample Description) | : | BIODEGRADABLE BAMBOO FIBER STRAW (可分解竹纖維吸管) |
| 樣品型號(Style/Item No.) | : | - |
| 樣品批號(Lot No.) | : | - |
| 樣品材質(Sample Material) | : | 竹纖維+澱粉 (BAMBOO FIBER+STARCH) |
| 製造日期(Manufacturing Date) | : | - |
| 收件日期(Sample Receiving Date) | : | 2018/06/27 |
| 測試期間(Testing Period) | : | 2018/06/27 TO 2018/07/10 |

測試需求(Test Requested) :

依據客戶要求進行測試，測試項目請參閱測試結果表格。 / The test was specified by client, please refer to result table for testing item(s).

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


 Signed for and on behalf of
 SGS TAIWAN LTD
 Chemical Laboratory - Taipei

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SGS Taiwan Ltd. 台灣檢驗科技股份有限公司 | 25, Wu Chuan 7th Road, New Taipei Industrial Park, Wu Ku District, New Taipei City, Taiwan/新北市五股區新北產業園區五權七路25號
 t+886 (02)2220 3939 f+886 (02)229 3237 www.sgs.tw

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測試結果(Test Results)

測試部位(PART NAME)No. 1 : 淡棕色吸管 (LT. BROWN STRAW)

| 測試項目 (Test Items) | 單位 (Unit) | 測試方法 (Method) | LOQ | 結果 (Result) |
|--|--------------|--|------|----------------|
| | | | | No. 1 |
| 鄰苯二甲酸二(2-乙基己基)酯 (正庚烷, 25°C, 1小時) / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7) (n-Heptane, 25°C, 1 hr) | ppm | 依據食品器具、容器、包裝檢驗方法-塑膠類之檢驗(102年11月13日部授食字第1021950607號公告), 以氘相層析/質譜儀檢測。 / According to Sanitation Standard for Food Utensils, Containers and Packages - Plastics (MOHW Food No. 1021950607 announced, November 13, 2013). Analysis was performed by GC/MS. | 0.05 | n. d. |
| 鄰苯二甲酸二丁酯 (正庚烷, 25°C, 1小時) / DBP (Di-n-butyl phthalate) (CAS No.: 84-74-2) (n-Heptane, 25°C, 1 hr) | ppm | | 0.05 | n. d. |
| 鄰苯二甲酸丁苄基酯 (正庚烷, 25°C, 1小時) / BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7) (n-Heptane, 25°C, 1 hr) | ppm | | 0.05 | n. d. |
| 鄰苯二甲酸二異癸酯 (正庚烷, 25°C, 1小時) / DIDP (Diisodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1) (n-Heptane, 25°C, 1 hr) | ppm | | 0.5 | n. d. |
| 鄰苯二甲酸二異壬酯 (正庚烷, 25°C, 1小時) / DINP (Diisononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0) (n-Heptane, 25°C, 1 hr) | ppm | | 0.5 | n. d. |
| 己二酸二(2-乙基己基)酯 (正庚烷, 25°C, 1小時) / DEHA (Di-2-ethylhexyl Adipate) (CAS No.: 103-23-1) (n-Heptane, 25°C, 1 hr) | ppm | | 0.05 | n. d. |

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| 測試項目 (Test Items) | 單位 (Unit) | 測試方法 (Method) | LOQ | 結果 (Result) |
|---|--------------|--|--------|----------------|
| | | | | No. 1 |
| 雙酚A-(水, 95°C, 30分鐘) / Bisphenol A -(water, 95°C, 30 min) | ppm | 依據食品器具、容器、包裝檢驗方法-聚碳酸酯(PC)塑膠類之檢驗(MOHWU0019.02, 104年10月19日部授食字第1041901882號公告), 以HPLC/FLD分析。 / According to Sanitation Standard for Food Utensils, Containers and Packages - Polycarbonate Plastic Products (MOHWU0019.02, MOHW Food No. 1041901882 announced, October 19, 2015). Analysis was performance by HPLC/FLD. | 0.0005 | n. d. |
| 雙酚A-(4%醋酸, 60°C, 30分鐘) / Bisphenol A - (4% acetic acid, 60°C, 30 min) | ppm | 依據食品器具、容器、包裝檢驗方法-聚碳酸酯(PC)塑膠類之檢驗(MOHWU0019.02, 104年10月19日部授食字第1041901882號公告), 以HPLC/FLD分析。 / According to Sanitation Standard for Food Utensils, Containers and Packages - Polycarbonate Plastic Products (MOHWU0019.02, MOHW Food No. 1041901882 announced, October 19, 2015). Analysis was performance by HPLC/FLD. | 0.0005 | n. d. |
| 雙酚A / Bisphenol A (▲) | ppb | 依據食品器具、容器、包裝檢驗方法-塑膠類嬰兒奶瓶中雙酚A之檢驗方法(106年1月6日TFDAU0005.01), 以高效液相層析串聯質譜儀分析。 / According to Sanitation Standard for Food Utensils, Containers and Packages - Plastic Infant Feeding Bottles (TFDAU0005.01, January 6, 2017). Analysis was performed by HPLC/MS/MS. | 20 | n. d. |

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| 測試項目 (Test Items) | 單位 (Unit) | 測試方法 (Method) | LOQ | 結果 (Result) No. 1 |
|---|--------------|---|-----|-------------------------|
| 三聚氰胺-(4%醋酸, 95°C, 30分鐘) / Melamine-(4% acetic acid, 95°C, 30 min) | ppm | 依據食品器具、容器、包裝檢驗方法-以甲 醛-三聚氰胺為合成原料之塑膠檢驗(102年 11月13日部授食字第1021950916號公告), 以高效能液相層析儀/二極體陣列偵測器 (HPLC/DAD)分析。 / According to Sanitation Standard for Food Utensils, Containers and Packages - Plastics with formaldehyde-melamine as raw material for synthesis (MOHW Food No. 1021950916 announced, November 13, 2013). Analysis was performance by HPLC/DAD. | 0.5 | n. d. |

| 測試項目 (Test Items) | 單位 (Unit) | 測試方法 (Method) | MDL | 結果 (Result) No. 1 |
|---|--------------|--|-------|-------------------------|
| 鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7) | % | 依據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. |
| 鄰苯二甲酸二丁酯 / DBP (Di-n-butyl phthalate) (CAS No.: 84-74-2) | % | | 0.003 | n. d. |
| 鄰苯二甲酸丁苄酯 / BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7) | % | | 0.003 | n. d. |
| 鄰苯二甲酸二正辛酯 / DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0) | % | | 0.003 | n. d. |
| 鄰苯二甲酸二異壬酯 / DINP (Diisononyl phthalate) (CAS No.: 28553-12-0; 68515-48-0) | % | | 0.01 | n. d. |
| 鄰苯二甲酸二甲酯 / DMP (Dimethyl phthalate) (CAS No.: 131-11-3) | % | | 0.003 | n. d. |

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| 測試項目 (Test Items) | 單位 (Unit) | 測試方法 (Method) | MDL | 結果 (Result) No. 1 |
|---|--------------|--|-------|-------------------------|
| 鄰苯二甲酸二異癸酯 / DIDP (Diisodecyl phthalate) (CAS No.: 26761-40-0; 68515-49-1) | % | 依據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. | 0.01 | n. d. |
| 鄰苯二甲酸二乙酯 / DEP (Diethyl phthalate) (CAS No.: 84-66-2) | % | | 0.003 | n. d. |

備註(Note):

- 0.1wt% = 1000ppm
- LOQ = Limit of Quantification (定量極限); MDL = Method Detection Limit (方法偵測極限值);
- n. d. = Not Detected (未檢出) = 小於 (less than) LOQ / MDL
- (▲):此項目轉包予台灣檢驗科技股份有限公司化學實驗室-高雄進行測試。 / This testing item(s) was/were subcontracted to SGS Taiwan Limited - Kaohsiung Central Chemical Laboratory.
- "-" = Not Regulated (無規格值)
- 此用途為自主品管報告。(This testing report is subject to independent quality control.)
- 測試報告僅就委託者之委託事項提供測試結果, 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.)
- 此份報告取代CT/2018/61110報告。(This report supersedes the previous document bearing the test report number CT/2018/61110.)

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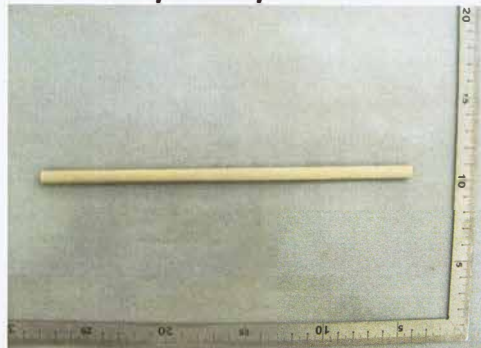
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* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。*
(The tested sample / part is marked by an arrow if it's shown on the photo.)

CT/2018/61110



** 報告結尾 (End of Report) **

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