

測試報告 Test Report

號碼(No.) : CY/2014/80585 日期(Date) : 2014/08/20 頁數(Page) : 1 of 10

西肯創意股份有限公司

SEKOND CREATIVE DESIGN CO., LTD.

台南市安南區和順工業區開安一街8巷15弄16號

NO. 16, ALY. 15, LN. 8, KAIAN 1ST STREET, ANNAN DISTRICT, TAINAN CITY 709, TAIWAN, R. O. C.



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) : 西肯創意股份有限公司 (SEKOND CREATIVE DESIGN CO., LTD.)
樣品名稱(Sample Description) : 冷藏收納盒 (儲存盒-小)-鵝黃 & 粉紅 & 綠 & 灰
樣品型號(Style/Item No.) : SE-01629
樣品材質(Sample Material) : 塑膠PP
生產或供應廠商(Manufacturer/Vendor) : 西肯創意股份有限公司 (SEKOND CREATIVE DESIGN CO., LTD.)
原產國(Country of Origin) : 台灣 (TAIWAN)
收件日期(Sample Receiving Date) : 2014/08/11
測試期間(Testing Period) : 2014/08/08 TO 2014/08/19

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第六條 (102.08.20部授食字第1021350146號令修正)進行以下測試: / As specified by client, with reference to Article 6 of Sanitation Standard for Food Utensils, Containers and Packages (MOHW Food No. 1021350146 was amended on 2013/08/20) to test following items:
- (1.1) 材質試驗 / Material test : 鉛 / Lead、鎘 / Cadmium.
溶出測試 / Migration test : 高錳酸鉀消耗量 / Potassium permanganate consumption、重金屬(以鉛計) / Heavy metal (as Pb)、蒸發殘渣 / Evaporation residue、鄰苯二甲酸二(2-乙基己基)酯 (DEHP)、鄰苯二甲酸二丁酯 (DBP)、鄰苯二甲酸二異壬酯 (DINP)、鄰苯二甲酸二異癸酯 (DIDP)、鄰苯二甲酸丁苯甲酯 (BBP)、己二酸二(2-乙基己基)酯 (DEHA) (DOA).
- (1.2) 材質試驗 / Material test : 鄰苯二甲酸二(2-乙基己基)酯 (DEHP)、鄰苯二甲酸二丁酯 (DBP)、鄰苯二甲酸二異壬酯 (DINP)、鄰苯二甲酸二異癸酯 (DIDP)、鄰苯二甲酸丁苯甲酯 (BBP)、鄰苯二甲酸二正辛酯 (DNOP)、鄰苯二甲酸二甲酯 (DMP)、鄰苯二甲酸二乙酯 (DEP).
溶出測試 / Migration test : 鄰苯二甲酸二正辛酯 (DNOP).

測試結果(Test Results) : 請見下一頁 (Please refer to next pages).

* 本報告之測試結果係引用自報告 CY/2014/80512 相同材質/部位之測試結果 *

(The test results of this report were quoted from test results of same material/parts in report CY/2014/80512)

* 測試報告僅就委託測試者之委託事項提供測試結果, 至若本產品之合法性, 仍應由主管機關依法判斷 *

(The test report is the test result issued by the testing institutions as requested by the consignor. Regarding to the legitimacy of the product, it shall be determined by the authorities according to the law.)


George Fong, Supervisor
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

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結論(Conclusion) :

(1.1) 根據客戶所提供的樣品，其測試結果符合中華民國食品器具容器包裝衛生標準第六條（102.08.20部授食字第1021350146號令修正）。 / Based upon the performed tests on submitted samples, the test results comply with the limits of requirements in Article 6 of Sanitation Standard for Food Utensils, Containers and Packages (MOHW Food No. 1021350146 was amended on 2013/08/20).

測試結果(Test Results)

測試部位(PART NAME)No.1 : 半透明黃色塑膠 (TRANSLUCENT-YELLOW PLASTIC (CY/2014/80512 No.1))

測試部位(PART NAME)No.2 : 半透明粉紅色塑膠 (TRANSLUCENT-PINK PLASTIC (CY/2014/80512 No.2))

測試部位(PART NAME)No.3 : 半透明綠色塑膠 (TRANSLUCENT-GREEN PLASTIC (CY/2014/80512 No.3))

測試部位(PART NAME)No.4 : 半透明灰色塑膠 (TRANSLUCENT-GRAY PLASTIC (CY/2014/80512 No.4))

(1.1)

通過(PASS)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	定量 極限 (LOQ)	結果 (Result)			法規 限值 (Limit)
				No.1	No.2	No.3	
鉛 / Lead (Pb)	ppm	參考食品器具、容器、包裝檢驗方法-聚丙烯(PP)之檢驗(102年9月6日部授食字第1021950329號公告)，以ICP-AES分析。 / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Polypropylene(PP) (MOHW Food No. 1021950329 announced, September 6, 2013). Analysis was performance by ICP-AES.	5	n.d. (*)	n.d. (*)	n.d. (*)	100
鎘 / Cadmium (Cd)	ppm		0.5	n.d. (*)	n.d. (*)	n.d. (*)	100

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(1.1)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	定量 極限 (LOQ)	結果 (Result)			法規 限值 (Limit)
				No.1	No.2	No.3	
高錳酸鉀消耗量-(水, 60°C, 30分鐘) / Potassium permanganate consumption-(water, 60°C, 30 min)	ppm	參考食品器具、容器、包裝檢驗 方法-聚丙烯(PP)之檢驗(102年9 月6日部授食字第1021950329號 公告). / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Polypropylene(PP) (MOHW Food No. 1021950329 announced, September 6, 2013).	3	n.d. (*)	n.d. (*)	n.d. (*)	10
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	Negative (*)	Negative (*)	Negative (*)	1
蒸發殘渣-(水, 60°C, 30分鐘) / Evaporation residue-(water, 60°C, 30 min)	ppm		10	n.d. (*)	n.d. (*)	n.d. (*)	30
蒸發殘渣-(4%醋酸, 60°C, 30分鐘) / Evaporation residue-(4% acetic acid, 60°C, 30 min)	ppm		10	n.d. (*)	11.0 (*)	n.d. (*)	30
蒸發殘渣-(正庚烷, 25°C, 1小時) / Evaporation residue-(n-Heptane, 25°C, 1 hour)	ppm		10	11.9 (*)	35.0 (*)	14.8 (*)	150
蒸發殘渣-(20%酒精, 60°C, 30分鐘) / Evaporation residue-(20% alcohol, 60°C, 30 min)	ppm		10	n.d. (*)	n.d. (*)	n.d. (*)	30
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 hour)	ppm	參考食品器具、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), 以氣相層析/質譜儀檢測. / With reference 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. (*)	n.d. (*)	n.d. (*)	1.5
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 hour)	ppm		0.05	n.d. (*)	n.d. (*)	n.d. (*)	0.3

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(1.1)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	定量 極限 (LOQ)	結果 (Result)			法規 限值 (Limit)
				No.1	No.2	No.3	
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 hour)	ppm	參考食品器具、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), 以氣相層析/質譜儀檢測。 / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (MOHW Food No. 1021950607 announced, November 13, 2013). Analysis was performed by GC/MS.	0.5	n.d. (*)	n.d. (*)	n.d. (*)	9
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 hour)	ppm		0.5	n.d. (*)	n.d. (*)	n.d. (*)	9
鄰苯二甲酸丁苯甲酯 (正庚烷, 25°C, 1 小時) / BBP (Butylbenzyl phthalate) (CAS No.: 85-68-7) (n-Heptane, 25°C, 1 hour)	ppm		0.05	n.d. (*)	n.d. (*)	n.d. (*)	30
己二酸二(2-乙基己基)酯 (正庚烷, 25°C, 1 小時) / DEHA (Di-2-ethylhexyl Adipate) (DOA) (CAS No.: 103-23-1) (n-Heptane, 25°C, 1 hour)	ppm		0.05	n.d. (*)	n.d. (*)	n.d. (*)	18

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	定量 極限 (LOQ)	結果 (Result)	法規 限值 (Limit)
				No.4	
鉛 / Lead (Pb)	ppm	參考食品器具、容器、包裝檢驗方法-聚丙烯(PP)之檢驗(102年9月6日部授食字第1021950329號公告), 以ICP-AES分析。 / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Polypropylene(PP) (MOHW Food No. 1021950329 announced, September 6, 2013). Analysis was performance by ICP-AES.	5	n.d. (*)	100
鎘 / Cadmium (Cd)	ppm		0.5	n.d. (*)	100

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(1.1)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	定量 極限 (LOQ)	結果 (Result)	法規 限值 (Limit)
				No. 4	
高錳酸鉀消耗量-(水, 60°C, 30分鐘) / Potassium permanganate consumption-(water, 60°C, 30 min)	ppm	參考食品器具、容器、包裝檢驗 方法-聚丙烯(PP)之檢驗(102年9 月6日部授食字第1021950329號 公告). / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Polypropylene(PP) (MOHW Food No. 1021950329 announced, September 6, 2013).	3	n.d. (*)	10
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	Negative (*)	1
蒸發殘渣-(水, 60°C, 30分鐘) / Evaporation residue-(water, 60°C, 30 min)	ppm		10	n.d. (*)	30
蒸發殘渣-(4%醋酸, 60°C, 30分鐘) / Evaporation residue-(4% acetic acid, 60°C, 30 min)	ppm		10	n.d. (*)	30
蒸發殘渣-(正庚烷, 25°C, 1小時) / Evaporation residue-(n-Heptane, 25°C, 1 hour)	ppm		10	20.2 (*)	150
蒸發殘渣-(20%酒精, 60°C, 30分鐘) / Evaporation residue-(20% alcohol, 60°C, 30 min)	ppm	參考食品器具、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), 以氣相層析/質譜儀檢測. / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (MOHW Food No. 1021950607 announced, November 13, 2013). Analysis was performed by GC/MS.	10	n.d. (*)	30
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 hour)	ppm		0.05	n.d. (*)	1.5
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 hour)	ppm		0.05	n.d. (*)	0.3
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 hour)	ppm		0.5	n.d. (*)	9

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(1.1)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	定量 極限 (LOQ)	結果 (Result)	法規 限值 (Limit)
				No. 4	
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 hour)	ppm	參考食品器具、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), 以氣相層析/質譜儀檢測。 / With reference to Sanitation Standard for Food Utensils, Containers and Packages-Plastics (MOHW Food No. 1021950607 announced, November 13, 2013). Analysis was performed by GC/MS.	0.5	n.d. (*)	9
鄰苯二甲酸丁苯甲酯 (正庚烷, 25°C, 1 小時) / BBP (Butylbenzyl phthalate) (CAS No.: 85-68-7) (n-Heptane, 25°C, 1 hour)	ppm		0.05	n.d. (*)	30
己二酸二(2-乙基己基)酯 (正庚烷, 25°C, 1 小時) / DEHA (Di-2-ethylhexyl Adipate) (DOA) (CAS No.: 103-23-1) (n-Heptane, 25°C, 1 hour)	ppm		0.05	n.d. (*)	18

(1.2)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)			法規 限值 (Limit)
				No. 1	No. 2	No. 3	
鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%	參考CNS 15138方法, 以氣相層析/質譜儀檢測之。 / With reference to CNS 15138 method. Analysis was performed by GC/MS.	0.003	n.d. (*)	n.d. (*)	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. (*)	n.d. (*)	n.d. (*)	0.1
鄰苯二甲酸丁苯甲酯 / BBP (Butylbenzyl phthalate) (CAS No.: 85-68-7)	%		0.003	n.d. (*)	n.d. (*)	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. (*)	n.d. (*)	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. (*)	n.d. (*)	n.d. (*)	0.1

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(1.2)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)			法規 限值 (Limit)
				No.1	No.2	No.3	
鄰苯二甲酸二甲酯 / DMP (Dimethyl phthalate) (CAS No.: 131-11-3)	%	參考CNS 15138方法, 以氣相層析/質譜儀檢測之. / With reference to CNS 15138 method. Analysis was performed by GC/MS.	0.003	n.d. (*)	n.d. (*)	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. (*)	n.d. (*)	n.d. (*)	0.1
鄰苯二甲酸二乙酯 / DEP (Diethyl phthalate) (CAS No.: 84-66-2)	%		0.003	n.d. (*)	n.d. (*)	n.d. (*)	0.1

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result)	法規 限值 (Limit)
				No.4	
鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	%	參考CNS 15138方法, 以氣相層析/質譜儀檢測之. / With reference to CNS 15138 method. 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 (Butylbenzyl phthalate) (CAS No.: 85-68-7)	%		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
鄰苯二甲酸二乙酯 / DEP (Diethyl phthalate) (CAS No.: 84-66-2)	%		0.003	n.d. (*)	0.1

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測試報告

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西肯創意股份有限公司



SEKOND CREATIVE DESIGN CO., LTD.

台南市安南區和順工業區開安一街8巷15弄16號

NO. 16, ALY. 15, LN. 8, KAIAN 1ST STREET, ANNAN DISTRECT, TAINAN CITY 709, TAIWAN, R. O. C.

(1.2)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	定量 極限 (LOQ)	結果 (Result)			法規 限值 (Limit)
				No.1	No.2	No.3	
鄰苯二甲酸二正辛酯 (正庚烷, 25°C, 1 小時) / DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0) (n-Heptane, 25°C, 1 hour)	ppm	參考食品器具、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), 以氣相層析/質譜儀檢測。 / With reference 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. (*)	n.d. (*)	n.d. (*)	-

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	定量 極限 (LOQ)	結果 (Result)	法規 限值 (Limit)
				No.4	
鄰苯二甲酸二正辛酯 (正庚烷, 25°C, 1小時) / DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0) (n-Heptane, 25°C, 1 hour)	ppm	參考食品器具、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), 以氣相層析/質譜儀檢測。 / With reference 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. (*)	-

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 = 小於 (less than) LOQ / MDL (未檢出)
- Negative = Undetectable 陰性(未偵測到); Positive = Detectable 陽性(已偵測到)
- "-" = Not Regulated (無規格值)
- (*) : With reference to CY/2014/80512. (參考CY/2014/80512.)

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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.)

CY/2014/80585 NO.1



CY/2014/80585 NO.2



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CY/2014/80585 NO.3



CY/2014/80585 NO.4



**** 報告結尾 (End of Report) ****

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