

試驗報告

號碼(No.) : KU/2018/B0003

日期(Date) : 2018/11/13

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Test Report

愛迪佳科技有限公司
IDEACHOP LTD.

台南市北區開元路442巷26弄2號

NO. 2, ALY. 26, LN. 442, KAIYUAN RD., NORTH DIST., TAINAN CITY 704, 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 By)	:	愛迪佳科技有限公司 (IDEACHOP LTD.)
樣品名稱(Sample Description)	:	嵌合後端
樣品型號(Style/Item No.)	:	六角
樣品批號(Lot No.)	:	T01
樣品材質(Sample Material)	:	PA6+GF
製造日期(Manufacturing Date)	:	2018.10.15
收件日期(Sample Receiving Date)	:	2018/11/02
測試期間(Testing Period)	:	2018/11/02 TO 2018/11/13

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 was amended on 2013/08/20) to conduct test. 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).

Ray Chang

報告簽署人/Ray Chang, Ph.D./Manager-Tech

Signed for and on behalf of

SGS Taiwan Limited



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測試結果(Test Results)

測試部位(PART NAME)No. 1 : 黑色塑膠 (BLACK PLASTIC)

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	LOQ	結果 (Result)	限值 (Limit)
				No. 1	
鉛 / Lead (Pb)	ppm	依據食品器具、容器、包裝檢驗方法-聚醯胺(尼龍)(PA, Nylon)塑膠類之檢驗(107年9月21日衛授食字第1071901865號公告), 以ICP-AES分析。 / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polyamide (PA, Nylon) Plastic Products (MOHW Food No. 1071901865 announced, Sep 21, 2018). Analysis was performed by ICP-AES.	5	n. d.	100
鎘 / Cadmium (Cd)	ppm	依據食品器具、容器、包裝檢驗方法-聚醯胺(尼龍)(PA, Nylon)塑膠類之檢驗(107年9月21日衛授食字第1071901865號公告), 以ICP-AES分析。 / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polyamide (PA, Nylon) Plastic Products (MOHW Food No. 1071901865 announced, Sep 21, 2018). Analysis was performed by ICP-AES.	0.5	n. d.	100
高錳酸鉀消耗量-(水, 95°C, 30分鐘) / Potassium permanganate consumption-(water, 95°C, 30 min)	ppm	依據食品器具、容器、包裝檢驗方法-聚醯胺(尼龍)(PA, Nylon)塑膠類之檢驗(107年9月21日衛授食字第1071901865號公告), 以ICP-AES分析。 / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polyamide (PA, Nylon) Plastic Products (MOHW Food No. 1071901865 announced, Sep 21, 2018).	3	n. d.	10
蒸發殘渣-(水, 95°C, 30分鐘) / Evaporation residue-(water, 95°C, 30 min)	ppm		10	22.3	30
重金屬(以鉛計)-(4%醋酸, 95°C, 30分鐘) / Heavy metal (as Pb)-(4% acetic acid, 95°C, 30 min)	ppm		-	<1	1
蒸發殘渣-(4%醋酸, 95°C, 30分鐘) / Evaporation residue-(4% acetic acid, 95°C, 30 min)	ppm		10	15	30
蒸發殘渣-(正庚烷, 25°C, 1小時) / Evaporation residue-(n-Heptane, 25°C, 1 hr)	ppm		10	n. d.	30
蒸發殘渣-(20%酒精, 60°C, 30分鐘) / Evaporation residue-(20% alcohol, 60°C, 30 min)	ppm		10	n. d.	30

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	LOQ	結果 (Result)	限值 (Limit)
				No. 1	
己內醯胺單體-(20%酒精, 60°C, 30分鐘) / ε-caprolactam Monomer-(20% alcohol, 60°C, 30 min)	ppm	依據食品器具、容器、包裝檢驗方法-聚醯胺(尼龍)(PA, Nylon)塑膠類之檢驗 (107年9月21日衛授食字第1071901865號 公告)。 / According to Methods of Test for Food Utensils, Containers and Packages - Test of Polyamide (PA, Nylon) Plastic Products (MOHW Food No. 1071901865 announced, Sep 21, 2018).	1	3.77	15
鄰苯二甲酸丁苯甲酯 / BBP (Butyl Benzyl phthalate) (CAS No. : 85-68-7)	%	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.	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
鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No. : 117-81-7)	%		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
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

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	LOQ	結果 (Result)	限值 (Limit)
				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(107年10月4日衛授食字第1071901983號公告), 以氣相層析/質譜儀檢測。 / According to Methods of Test for Food Utensils, Containers and Packages - Test of Plastics (MOHW Food No. 1071901983 announced, Oct 04, 2018). Analysis was performed by GC/MS.	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 hr)	ppm		0.05	n. d.	0.3
鄰苯二甲酸丁苄甲酯 (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.	30
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.	9
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.	9
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.	18

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備註(Note) :

1. 0.1wt% = 1000ppm
2. LOQ = Limit of Quantification (定量極限) ;
3. n.d. = Not Detected (未檢出) = 小於 (less than) LOQ
4. 此用途為自主品管報告.(This testing report is subject to independent quality control.)
5. 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.)

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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.)

KU/2018/B0003



** 報告結尾 (End of Report) **