

## 測試報告 Test Report

號碼(No.) : CE/2020/14853 日期(Date) : 2020/01/31 頁數 (Page) : 1 of 8

迪愛禧佳龍油墨股份有限公司  
DIC GRAPHICS CHIA LUNG CORP.

桃園市龜山區大華里頂湖一街12號

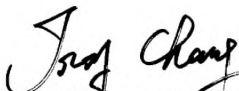
NO. 12, TING FU 1ST STREET, TA HUA VILLAGE, KWEI SHAN DIST., TAO-YUAN CITY, TAIWAN, R. O. C.

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) : 迪愛禧佳龍油墨股份有限公司 (DIC GRAPHICS CHIA LUNG CORP.)  
樣品名稱(Sample Description) : GRAVURE INK (凹版油墨)  
樣品型號(Style/Item No.) : 客戶自行調配之樣品 (SAMPLE IS BLENDED BY CLIENT): 請參考第4頁 (PLEASE REFER TO PAGE 4)  
收件日期(Sample Receiving Date) : 2020/01/17  
測試期間(Testing Period) : 2020/01/17 to 2020/01/31

=====  
測試需求(Test Requested) : 依據客戶指定, 檢測鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚, DBP, BBP, DEHP, DIBP. (As specified by client, to test Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).)

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

  
Troy Chang / Manager - Technical  
Signed for and behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory - Taipei



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DIC GRAPHICS CHIA LUNG CORP.

桃園市龜山區大華里頂湖一街12號

NO. 12, TING FU 1ST STREET, TA HUA VILLAGE, KWEI SHAN DIST., TAO-YUAN CITY, TAIWAN, R. O. C.

## 測試結果(Test Results)

測試部位(PART NAME)No. 1 : 紅色油墨(客戶自行調配之樣品) (RED INK (SAMPLE IS BLENDED BY CLIENT))

測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	MDL	結果 (Result)
				No. 1
鎘 / Cadmium (Cd)	mg/kg	參考IEC 62321-5 (2013), 以感應耦合電漿發射光譜儀檢測. / With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	n. d.
鉛 / Lead (Pb)	mg/kg	參考IEC 62321-5 (2013), 以感應耦合電漿發射光譜儀檢測. / With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	n. d.
汞 / Mercury (Hg)	mg/kg	參考IEC 62321-4:2013+ AMD1:2017, 以感應耦合電漿發射光譜儀檢測. / With reference to IEC 62321-4:2013+ AMD1:2017 and performed by ICP-OES.	2	n. d.
六價鉻 / Hexavalent Chromium Cr(VI)	mg/kg	參考IEC 62321-7-2 (2017), 以UV-VIS 檢測. / With reference to IEC 62321-7-2 (2017) and performed by UV-VIS.	8	n. d.
鄰苯二甲酸二(2-乙基己基)酯 / DEHP (Di-(2-ethylhexyl) phthalate) (CAS No. : 117-81-7)	mg/kg	參考IEC 62321-8 (2017), 以氣相層析/質譜儀檢測. / With reference to IEC 62321-8 (2017). Analysis was performed by GC/MS.	50	n. d.
鄰苯二甲酸丁苯甲酯 / BBP (Butyl Benzyl phthalate) (CAS No. : 85-68-7)	mg/kg		50	n. d.
鄰苯二甲酸二丁酯 / DBP (Dibutyl phthalate) (CAS No. : 84-74-2)	mg/kg		50	n. d.
鄰苯二甲酸二異丁酯 / DIBP (Di-isobutyl phthalate) (CAS No. : 84-69-5)	mg/kg		50	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
多溴聯苯總和 / Sum of PBBs	mg/kg	參考 IEC 62321-6 (2015), 以氣相層析/ 質譜儀檢測. / With reference to IEC 62321-6 (2015) and performed by GC/MS.	-	n. d.
一溴聯苯 / Monobromobiphenyl	mg/kg		5	n. d.
二溴聯苯 / Dibromobiphenyl	mg/kg		5	n. d.
三溴聯苯 / Tribromobiphenyl	mg/kg		5	n. d.
四溴聯苯 / Tetrabromobiphenyl	mg/kg		5	n. d.
五溴聯苯 / Pentabromobiphenyl	mg/kg		5	n. d.
六溴聯苯 / Hexabromobiphenyl	mg/kg		5	n. d.
七溴聯苯 / Heptabromobiphenyl	mg/kg		5	n. d.
八溴聯苯 / Octabromobiphenyl	mg/kg		5	n. d.
九溴聯苯 / Nonabromobiphenyl	mg/kg		5	n. d.
十溴聯苯 / Decabromobiphenyl	mg/kg		5	n. d.
多溴聯苯醚總和 / Sum of PBDEs	mg/kg		-	n. d.
一溴聯苯醚 / Monobromodiphenyl ether	mg/kg		5	n. d.
二溴聯苯醚 / Dibromodiphenyl ether	mg/kg		5	n. d.
三溴聯苯醚 / Tribromodiphenyl ether	mg/kg		5	n. d.
四溴聯苯醚 / Tetrabromodiphenyl ether	mg/kg		5	n. d.
五溴聯苯醚 / Pentabromodiphenyl ether	mg/kg		5	n. d.
六溴聯苯醚 / Hexabromodiphenyl ether	mg/kg		5	n. d.
七溴聯苯醚 / Heptabromodiphenyl ether	mg/kg		5	n. d.
八溴聯苯醚 / Octabromodiphenyl ether	mg/kg		5	n. d.
九溴聯苯醚 / Nonabromodiphenyl ether	mg/kg	5	n. d.	
十溴聯苯醚 / Decabromodiphenyl ether	mg/kg	5	n. d.	

## 備註(Note) :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. MDL = Method Detection Limit (方法偵測極限值)
3. n. d. = Not Detected (未檢出)
4. "-" = Not Regulated (無規格值)

# 測試報告

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迪愛禧佳龍油墨股份有限公司

DIC GRAPHICS CHIA LUNG CORP.

桃園市龜山區大華里頂湖一街12號

NO. 12, TING FU 1ST STREET, TA HUA VILLAGE, KWEI SHAN DIST., TAO-YUAN CITY, TAIWAN, R. O. C.

樣品型號(Style/Item No.):

UNIVURE系列		XOX-901系列	其他品項
002紅	507原色藍	BDP MAT MEDIUM	PL 硬化劑 C
009紅	607紫	AS MAT MEDIUM	CVL HARDNER No. 10
102牡丹	709白	OP VARNISH	XS-100 HARDENER
R1002牡丹	709白CONC	ER MAT MEDIUM	VAT PRIMER
156牡丹	淋膜通用白	MAT MEDIUM	G-3 PRIMER
115紅	淋膜通用藍口白	DE MAT MEDIUM(改)	G-3 PRIMER(Y)
R1004牡丹	藍口白(CY)		MCA2055
216金赤	CN 藍口白(改)		TCM-01 MEDIUM
R2007金赤	805黑		SF PRIMER UG-R
R2008赤	銀		SF PRIMER No. 930
218赤	銀(改)		SF PRIMER No. 930(Y)
317橙	高輝度銀		STC-J 養樂多紅(改-2)A32401
403透明黃	青口金		STC NO. 8 S溶劑
433透明黃	MEDIUM		MET NO. 17 FT
407B中黃	透明MEDIUM S		TP-06
409青黃	MAT MEDIUM		TE-10B
414中黃	靜電防止劑(改)		TR-79(S) VARNISH
UNIVURE R 桃紅	CY 靜電防止劑		
500綠			

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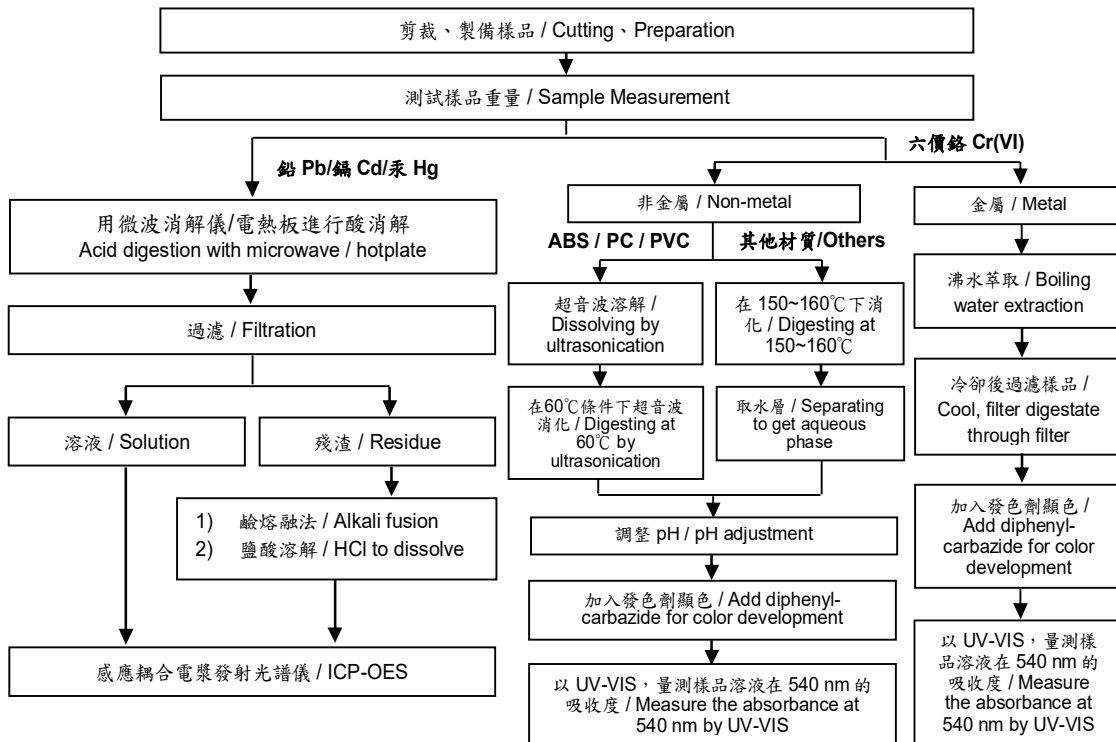
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### 重金屬流程圖 / Analytical flow chart of Heavy Metal

根據以下的流程圖之條件，樣品已完全溶解。(六價鉻測試方法除外)

These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr<sup>6+</sup> test method excluded)

- 測試人員：陳恩臻 / Technician : Rita Chen
- 測試負責人：張啟興 / Supervisor: Troy Chang



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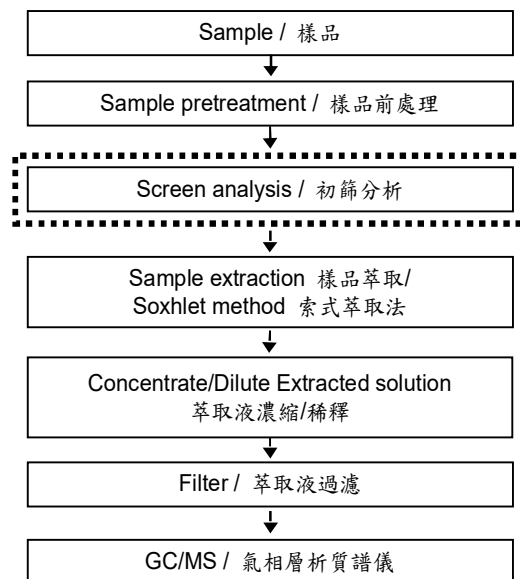
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### 多溴聯苯/多溴聯苯醚分析流程圖 / Analytical flow chart - PBB/PBDE

- 測試人員：涂雅苓 / Technician: Yaling Tu
- 測試負責人：張啟興 / Supervisor: Troy Chang

初次測試程序 / First testing process —————>  
 選擇性篩檢程序 / Optional screen process .....  
 確認程序 / Confirmation process - - ->



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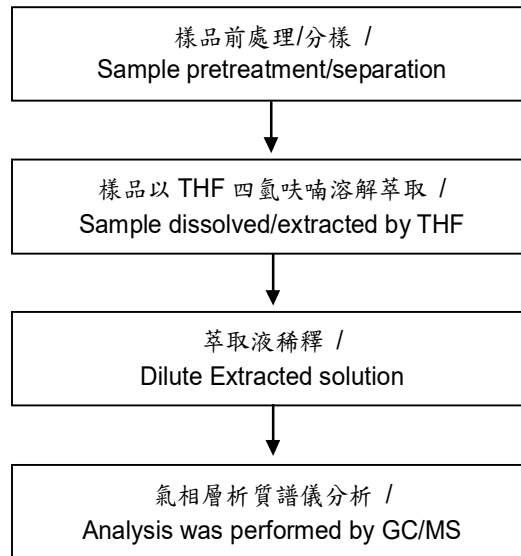
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### 可塑劑分析流程圖 / Analytical flow chart - Phthalate

- 測試人員：涂雅苓 / Technician: Yaling Tu
- 測試負責人：張啟興 / Supervisor : Troy Chang

#### 【測試方法/Test method: IEC 62321-8】



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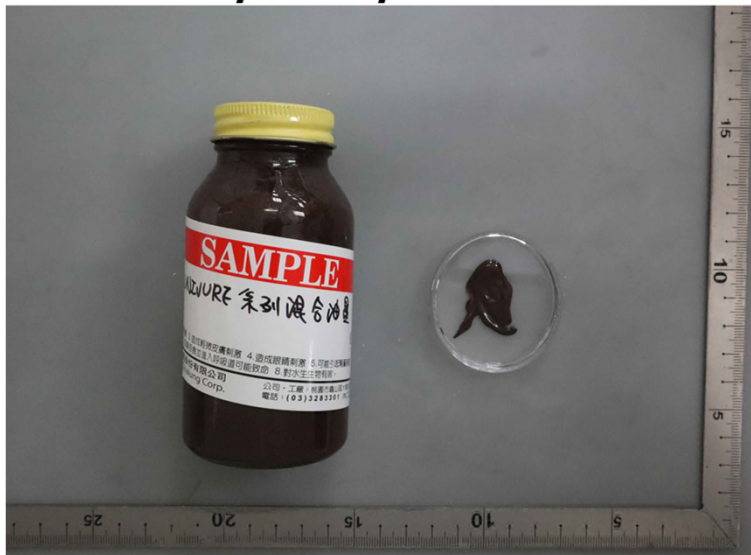
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\* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。 \*  
(The tested sample / part is marked by an arrow if it's shown on the photo.)

### CE/2020/14853



\*\* 報告結尾 (End of Report) \*\*