

## 測試報告 Test Report

號碼(No.): KE/2010/40807      日期(Date): 2010/04/15      頁數(Page): 1 of 7

台灣塑膠工業股份有限公司

FORMOSA PLASTICS CORPORATION

高雄縣林園鄉溪州村石化一路1號之一

NO.1, SHIHUA 1ST RD., LINYUAN TOWNSHIP, KAOHSIUNG COUNTY 832, TAIWAN (R.O.C.)



以下測試樣品係由客戶送樣，且由客戶聲稱並經客戶確認如下 (The following samples was/were submitted and identified by/on behalf of the client as):

樣品名稱(Sample Description) : 嵌段耐衝擊共聚物聚丙烯 (POLYPROPYLENE IMPACT COPOLYMER)  
 樣品型號(Style/Item No.) : 3003, 3005, 3010, 3010S, 3015, 3015W, 3040, 3040C, 3064, 3080, 3084, 3084H, 3150, 3155, 3204, 3354, 3356, 3504, 3554, 4084, 4204, 8084  
 樣品顏色(Color) : 白色半透明 (CLEAR)  
 收件日期(Sample Receiving Date) : 2010/04/09  
 測試期間(Testing Period) : 2010/04/09 TO 2010/04/15

=====  
**測試需求(Test Requested)** : 參照 RoHS 2002/95/EC 及其修定指令要求. (In accordance with the RoHS Directive 2002/95/EC, and its amendment directives).

**測試方法(Test Method)** : 參考 IEC 62321: 2008 方法檢測. (With reference to IEC 62321: 2008. Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products).

- (1) 用感應耦合電漿原子發射光譜儀檢測鎘含量. / Determination of Cadmium by ICP-AES.
- (2) 用感應耦合電漿原子發射光譜儀檢測鉛含量. / Determination of Lead by ICP-AES.
- (3) 用感應耦合電漿原子發射光譜儀檢測汞含量. / Determination of Mercury by ICP-AES.
- (4) 用UV-VIS檢測六價鉻含量. / Determination of Hexavalent Chromium by UV/Vis Spectrometry.
- (5) 以氣相層析儀/質譜儀檢測多溴聯苯和多溴聯苯醚含量. / Determination of PBB and PBDE by GC/MS.

Ray Chang / Asst. Manager

Signed for and on behalf of  
SGS Taiwan Limited

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

**結論(Conclusion)** : 根據客戶所提供樣品的測試結果, 符合RoHS(2002/95/EC)及其修定指令之要求 (Based upon the performed tests by submitted samples, the test results **comply with** the limits of RoHS Directive 2002/95/EC and its subsequent amendments).

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測試結果(Test Results) 單位(Unit): mg/kg

測試項目 (Test Items)	測試方法 Method (Refer to)	結果 (Result)	方法偵測 極限值 (MDL)	RoHS 限值 (Limit)
		No.1		
鎘 / Cadmium (Cd)	(1)	n.d.	2	100
鉛 / Lead (Pb)	(2)	n.d.	2	1000
汞 / Mercury (Hg)	(3)	n.d.	2	1000
六價鉻 / Hexavalent Chromium Cr(VI) by alkaline extraction	(4)	n.d.	2	1000
<b>多溴聯苯總和 / Sum of PBBs</b>	(5)	n.d.	-	1000
一溴聯苯 / Monobromobiphenyl		n.d.	5	-
二溴聯苯 / Dibromobiphenyl		n.d.	5	-
三溴聯苯 / Tribromobiphenyl		n.d.	5	-
四溴聯苯 / Tetrabromobiphenyl		n.d.	5	-
五溴聯苯 / Pentabromobiphenyl		n.d.	5	-
六溴聯苯 / Hexabromobiphenyl		n.d.	5	-
七溴聯苯 / Heptabromobiphenyl		n.d.	5	-
八溴聯苯 / Octabromobiphenyl		n.d.	5	-
九溴聯苯 / Nonabromobiphenyl		n.d.	5	-
十溴聯苯 / Decabromobiphenyl		n.d.	5	-
<b>多溴聯苯醚總和 / Sum of PBDEs</b>		n.d.	-	1000
一溴聯苯醚 / Monobromodiphenyl ether		n.d.	5	-
二溴聯苯醚 / Dibromodiphenyl ether		n.d.	5	-
三溴聯苯醚 / Tribromodiphenyl ether		n.d.	5	-
四溴聯苯醚 / Tetrabromodiphenyl ether		n.d.	5	-
五溴聯苯醚 / Pentabromodiphenyl ether		n.d.	5	-
六溴聯苯醚 / Hexabromodiphenyl ether		n.d.	5	-
七溴聯苯醚 / Heptabromodiphenyl ether		n.d.	5	-
八溴聯苯醚 / Octabromodiphenyl ether		n.d.	5	-
九溴聯苯醚 / Nonabromodiphenyl ether	n.d.	5	-	
十溴聯苯醚 / Decabromodiphenyl ether	n.d.	5	-	

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### 測試部位描述 (TEST PART DESCRIPTION):

NO.1 : 白色半透明嵌段耐衝擊共聚物聚丙烯 (CLEAR POLYPROPYLENE IMPACT COPOLYMER)

### 備註(Note):

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

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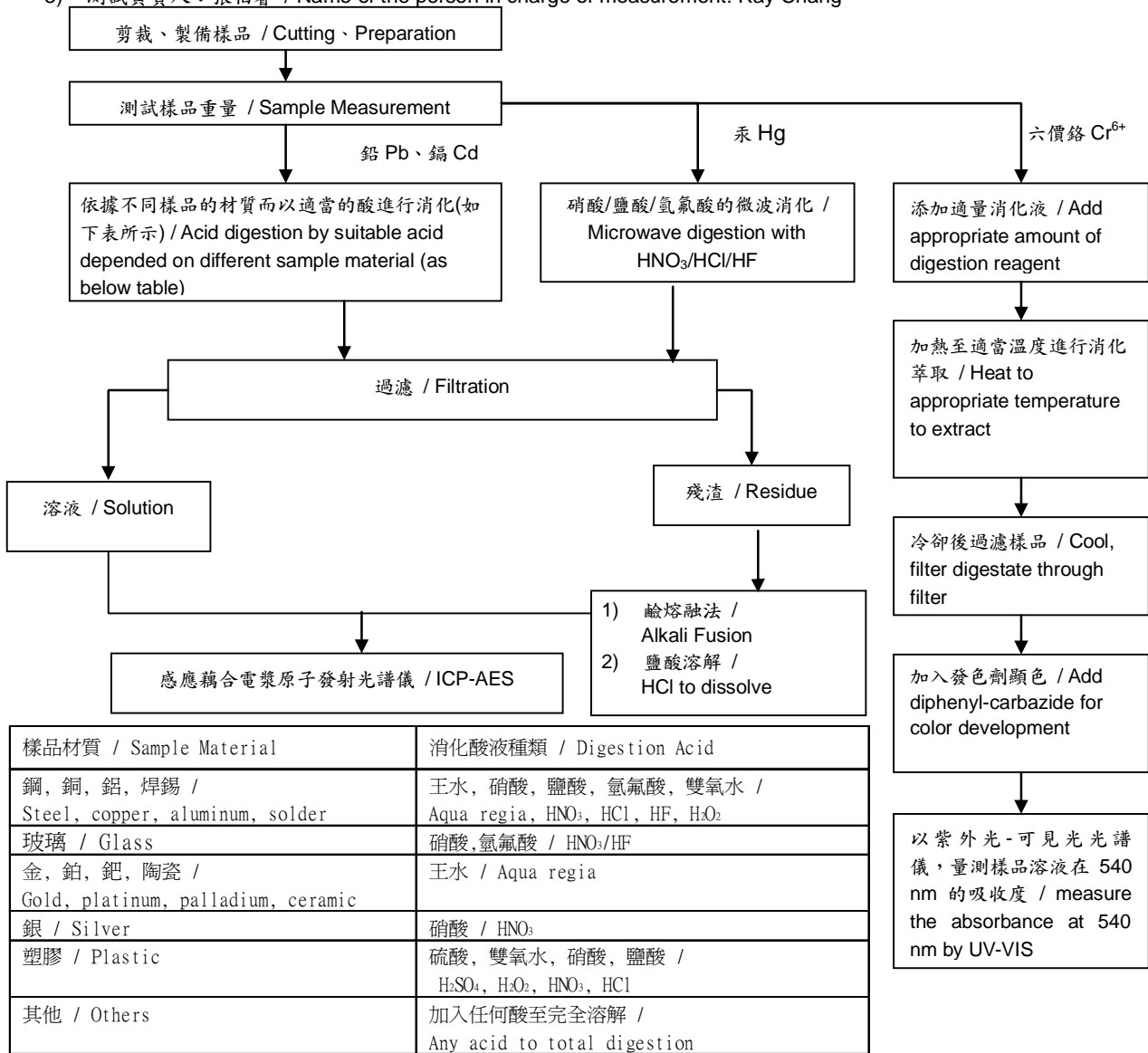
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- 1) 根據以下的流程圖之條件，樣品已完全溶解。(六價鉻測試方法除外) / These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr<sup>6+</sup> test method excluded)
- 2) 測試人員：李宏明 / Name of the person who made measurement: Hungming Li
- 3) 測試負責人：張伯睿 / Name of the person in charge of measurement: Ray Chang



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### 多溴聯苯/多溴聯苯醚 分析流程圖 / PBB/PBDE analytical FLOW CHART

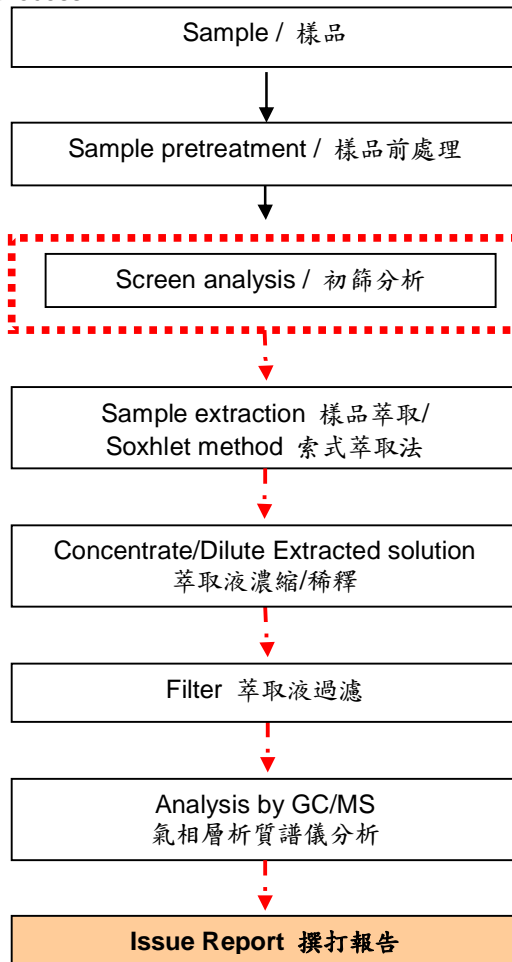
1) 測試人員: 曹嘉琪 / Name of the person who made measurement: Anson Tsao

2) 測試負責人: 張伯睿 / Name of the person in charge of measurement: Ray 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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\*\* 報告結尾(End of Report) \*\*

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