

測試報告

Test Report

號碼(No.): CR/2012/11573 日期(Date): 2012/01/13 頁數(Page): 2 of 9

英商必丕志國際股份有限公司台灣分公司

PPG INDUSTRIES INTERNATIONAL, INC. TAIWAN BRANCH

桃園縣八德市大發里富榮街10號

10, FU-RONG ST., PA-TEH CITY, TAOYUAN, TAIWAN, R. O. C.

國際標準化組織 ISO 9001 認證

測試結果(Test Results)

測試部位(PART NAME)No.1 : 黑色塗料 (客戶自行混測之樣品) (BLACK PAINT (SAMPLE IS MIXED BY CLIENT))

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)
				No.1
鎘 / Cadmium (Cd)	mg/kg	參考IEC 62321: 2008方法, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
鉛 / Lead (Pb)	mg/kg	參考IEC 62321: 2008方法, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
汞 / Mercury (Hg)	mg/kg	參考IEC 62321: 2008方法, 以感應耦合電漿原子發射光譜儀檢測。 / With reference to IEC 62321: 2008 and performed by ICP-AES.	2	n.d.
六價鉻 / Hexavalent Chromium Cr(VI)	mg/kg	參考IEC 62321: 2008方法, 以UV-VIS檢測。 / With reference to IEC 62321: 2008 and performed by UV-VIS.	2	n.d.
鹵素 / Halogen				
鹵素(氟) / Halogen-Fluorine (F) (CAS No.: 14762-04-8)	mg/kg		50	n.d.
鹵素(氯) / Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg	參考BS EN 14582:2007, 以離子層析儀分析。 / With reference to BS EN	50	n.d.
鹵素(溴) / Halogen-Bromine (Br) (CAS No.: 10007-32-2)	mg/kg	14582:2007. Analysis was performed by IC.	50	n.d.
鹵素(碘) / Halogen-Iodine (I) (CAS No.: 14362-44-8)	mg/kg		50	n.d.

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美商必五志國際股份有限公司台灣分公司
 PPG INDUSTRIES INTERNATIONAL, INC. TAIWAN BRANCH
 桃園縣八德市大發里富榮街10號
 10, FU-RONG ST., PA-TEH CITY, TAOYUAN, TAIWAN, R. O. C.

國際標準化組織 ISO 9001 認證編號: 010110

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) No. 1
多溴聯苯總和 / Sum of PBBs	mg/kg	參考 IEC 62321: 2008 方法, 以氣相層析儀/ 質譜偵檢測。 / With reference to IEC 62321: 2008 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.
多溴聯苯醜總和 / Sum of PBDEs	mg/kg		-	n.d.
一溴聯苯醜 / Monobromodiphenyl ether	mg/kg		5	n.d.
二溴聯苯醜 / Dibromodiphenyl ether	mg/kg		5	n.d.
三溴聯苯醜 / Tribromodiphenyl ether	mg/kg		5	n.d.
四溴聯苯醜 / Tetrabromodiphenyl ether	mg/kg		5	n.d.
五溴聯苯醜 / Pentabromodiphenyl ether	mg/kg		5	n.d.
六溴聯苯醜 / Hexabromodiphenyl ether	mg/kg		5	n.d.
七溴聯苯醜 / Heptabromodiphenyl ether	mg/kg		5	n.d.
八溴聯苯醜 / Octabromodiphenyl ether	mg/kg		5	n.d.
九溴聯苯醜 / Nonabromodiphenyl ether	mg/kg	5	n.d.	
十溴聯苯醜 / Decabromodiphenyl ether	mg/kg	5	n.d.	

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測試報告

Test Report

號碼(No.): CE/2012/11578 日期(Date): 2012/07/13 頁數(Page): 4 of 0

英商必丕志國際股份有限公司台灣分公司

EPG INDUSTRIES INTERNATIONAL, INC. TAIWAN BRANCH

桃園縣八德市大發里富榮街10號

10, FU-RONG ST., PA-TEN CITY, TAOYUAN, TAIWAN, R. O. C.

英商必丕志國際股份有限公司

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) No.1
歐洲玩具標準EN 71 PART 3特定元素遷移 / EN 71 PART 3 Migration of certain elements		參考歐洲玩具標準EN 71 PART 3: 1994 / With reference to EN 71 PART 3: 1994 (A1: 2000 / AC:2002) (EN 71-3 & BS 5665-3 are identical)		
溶出銻 / Soluble Antimony (Sb)	mg/kg	參考歐洲玩具標準EN 71 PART 3: 1994, 以感應耦合電漿原子發射光譜儀做分析 / With reference to EN 71 PART 3: 1994 (A1: 2000 / AC:2002) (EN 71-3 & BS 5665-3 are identical), analysis was performed by ICP-AES.	5	n.d.
溶出砷 / Soluble Arsenic (As)	mg/kg		2.5	n.d.
溶出鋇 / Soluble Barium (Ba)	mg/kg		10	n.d.
溶出鎘 / Soluble Cadmium (Cd)	mg/kg		5	n.d.
溶出鉻 / Soluble Chromium (Cr)	mg/kg		5	n.d.
溶出鉛 / Soluble Lead (Pb)	mg/kg		5	n.d.
溶出汞 / Soluble Mercury (Hg)	mg/kg		5	n.d.
溶出硒 / Soluble Selenium (Se)	mg/kg		5	n.d.

備註(Notes):

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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英商必丕志國際股份有限公司台灣分公司

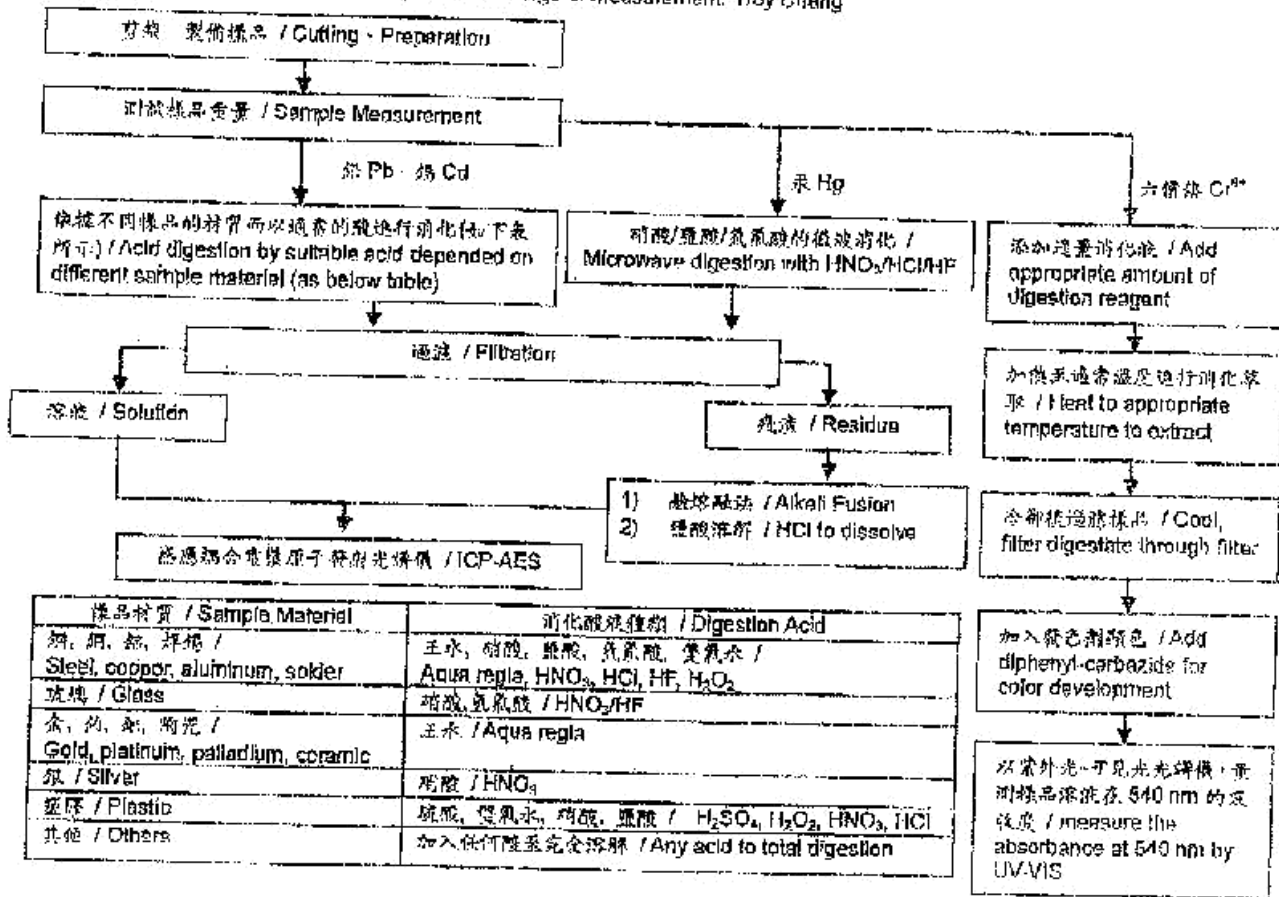
PPG INDUSTRIES INTERNATIONAL, INC. TAIWAN BRANCE

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10, FU-RONG ST., PA-TEH CITY, TAOYUAN, TAIWAN, R. O. C.

國際標準化組織會員實驗室
Member of International Organization of Standardization

- 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^{VI} test method excluded)
- 2) 測試人員：楊登偉 / Name of the person who made measurement: Clinton Yang
- 3) 測試負責人：蔡榮興 / Name of the person in charge of measurement: Troy Chang



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測試報告

Test Report

號碼(No.): CE/2012/11579 日期(Date): 2012/01/13 頁數(Page): 6 of 9

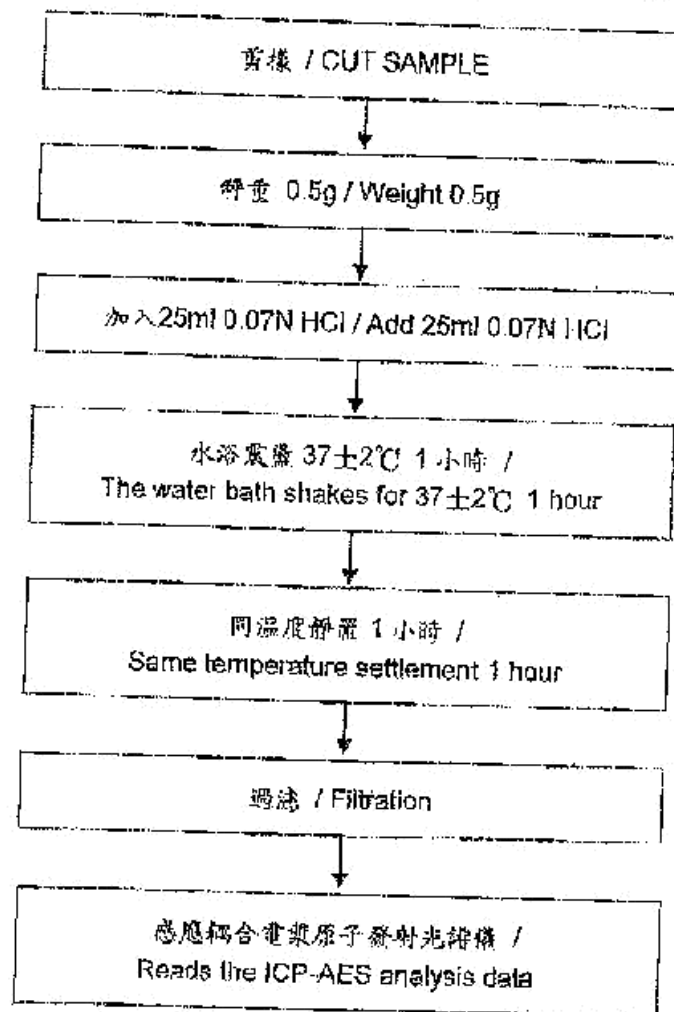
英商必丕志國際股份有限公司台灣分公司
PPG INDUSTRIES INTERNATIONAL, INC. TAIWAN BRANCH

桃園縣八德市大發里高業街10號
10, FU-RONG ST., PA-JEH CITY, TAoyUAN, TAIWAN, R. O. C.

SGS 檢驗及測試服務可隨時隨地提供

EN 71 PART 3 分析流程圖 / EN 71 PART 3 Analytical flow chart

- 1) 測試人員: 楊登偉 / Name of the person who made measurement: Climbgreat Yang
- 2) 測試負責人: 張啓興 / Name of the person in charge of measurement: Troy Chang



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英商必正志國際股份有限公司台灣分公司

PPG INDUSTRIES INTERNATIONAL, INC. TAIWAN BRANCH

桃園縣八德市大發里富榮街10號

10, FU-RONG ST., PA-TEM CITY, TAOYUAN, TAIWAN, R. O. C.

請認明SGS標誌及檢驗員姓名

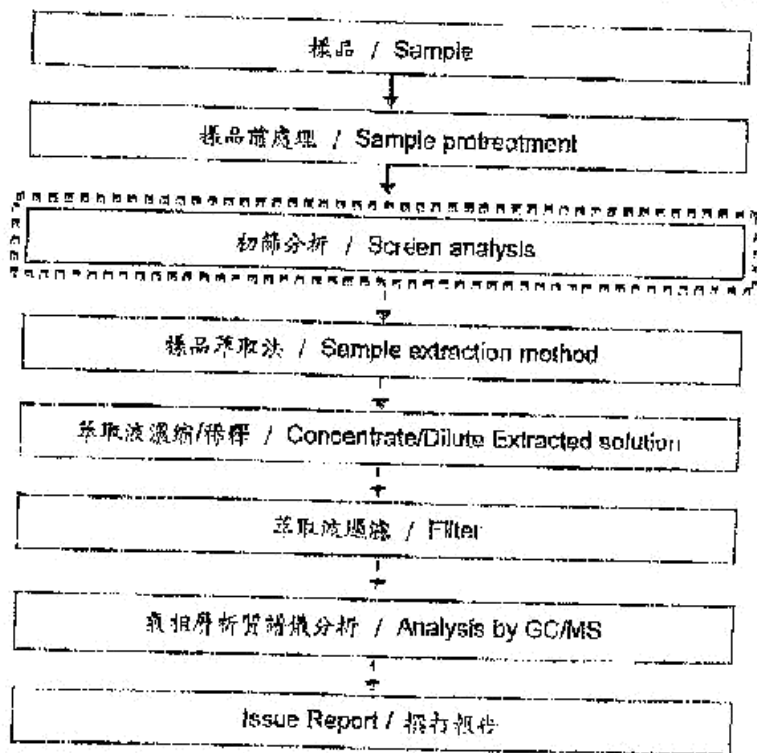
分析流程圖 / Analytical flow chart

測試人員: 翁賜彬 / Name of the person who made measurement: Roman Wong

測試負責人: 張啓興 / Name of the person in charge of measurement: Troy Chang

測試項目 (Test Items): 多溴聯苯/多溴聯苯醜、四溴雙酚-A-雙 / PBB/PBOE, TBBP-A-Bis

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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美商必丕志國際股份有限公司台灣分公司

PEG INDUSTRIES INTERNATIONAL, INC. TAIWAN BRANCH

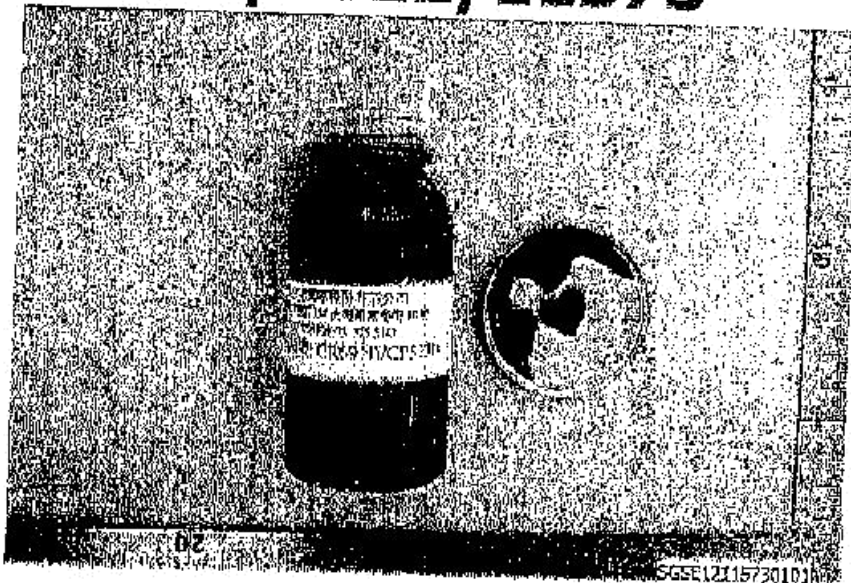
桃園縣八德市大發里富榮街10號

10, FU-RONG ST., PA-TEH CITY, TAoyUAN, TAIWAN, R. O. C

SGS 檢驗報告編號: CE/2012/11573

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(The tested sample / part is marked by an arrow if it's shown on the photo.)

CE/2012/11573



** 報告結尾 (End of Report) **

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