

測試報告 Test Report	No.) : CE/2015/A5587 日期(Date) : 2015/11/06	頁數(Page): 1 of 6
第一伸銅科技股份有限公司 FIRST COPPER TECHNOLOGY CO., LT 高雄市小港區沿海一路479號 479, YANHAI 1ST. ROAD, SHAW KAN	D. G DISTRICT, KAOHSIUNG, TAIWAN R. O. C.	
behalf of the applicant as): 送樣廠商(Sample Submitted By) 樣品名稱(Sample Description) 樣品型號(Style/Item No.)	及確認 (The following sample(s) was/were submit : 第一伸銅科技股份有限公司 (FIRST COPPER TECHNO : Tin PLATING BRASS (鍍錫黃銅) : C2680TP : 2015/10/29 : 2015/10/29 TO 2015/11/06	-
	ck據客戶指定,進行鎘、鉛、汞、六價鉻、多溴聯苯、豸 specified by client, to test Cadmium, Lead, Mercu contents in the submitted sample.)	
	請見下一頁 (Please refer to next pages). 請見下一頁 (Please refer to next pages).	



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號碼(No.) : CE/2015/A5587

日期(Date): 2015/11/06

頁數(Page): 2 of 6

Test Report

第一伸銅科技股份有限公司 FIRST COPPER TECHNOLOGY CO., LTD. 高雄市小港區沿海一路479號 479, YANHAI 1ST. ROAD, SHAW KANG DISTRICT, KAOHSIUNG, TAIWAN R. O. C.

<u>測試結果(Test Results)</u>

測試部位(PART NAME)No.1 : 銀色金屬(含鍍層)(SILVER COLORED METAL (INCLUDING THE PLATING LAYER))

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 62321-5: 2013方法,以感應耦合 電漿原子發射光譜儀檢測. / With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	n. d.
鉛 / Lead (Pb)	mg/kg	參考IEC 62321-5: 2013方法,以感應耦合 電漿原子發射光譜儀檢測. / With reference to IEC 62321-5: 2013 and performed by ICP-AES.	2	8. 83
汞 / Mercury (Hg)	mg/kg	參考IEC 62321-4: 2013方法,以感應耦合 電漿原子發射光譜儀檢測. / With reference to IEC 62321-4: 2013 and performed by ICP-AES.	2	n. d.
六價鉻 / Hexavalent Chromium Cr(VI)	**	参考IEC 62321: 2008方法,以沸水萃取法 檢測. / With reference to IEC 62321: 2008 and performed by Boiling water extraction Method.#	#	Negative
多溴聯苯總和 / Sum of PBBs	mg/kg		-	n. d.
一溴聯苯 / Monobromobiphenyl	mg/kg	1	5	n. d.
二溴聯苯 / Dibromobiphenyl	mg/kg	Ĩ	5	n. d.
三溴聯苯 / Tribromobiphenyl	mg/kg		5	n. d.
四溴聯苯 / Tetrabromobiphenyl	mg/kg	參考IEC 62321-6: 2015方法,以氣相層析/	5	n. d.
五溴聯苯 / Pentabromobiphenyl		質譜儀檢測. / With reference to IEC	5	n. d.
六溴聯苯 / Hexabromobiphenyl	mg/kg	62321-6: 2015 and performed by GC/MS.	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.

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號碼(No.): CE/2015/A5587

日期(Date): 2015/11/06

頁數(Page): 3 of 6

Test Report

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高雄市小港區沿海一路479號

479, YANHAI 1ST. ROAD, SHAW KANG DISTRICT, KAOHSIUNG, TAIWAN R. O. C.

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	參考IEC 62321-6:2015方法,以氣相層析/	5	n. d.
四溴聯苯醚 / Tetrabromodiphenyl ether	mg/kg		5	n. d.
五溴聯苯醚 / Pentabromodiphenyl ether	mg/kg	質譜儀檢測. / With reference to IEC	5	n. d.
六溴聯苯醚 / Hexabromodiphenyl ether	mg/kg	62321-6: 2015 and performed by GC/MS.	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):

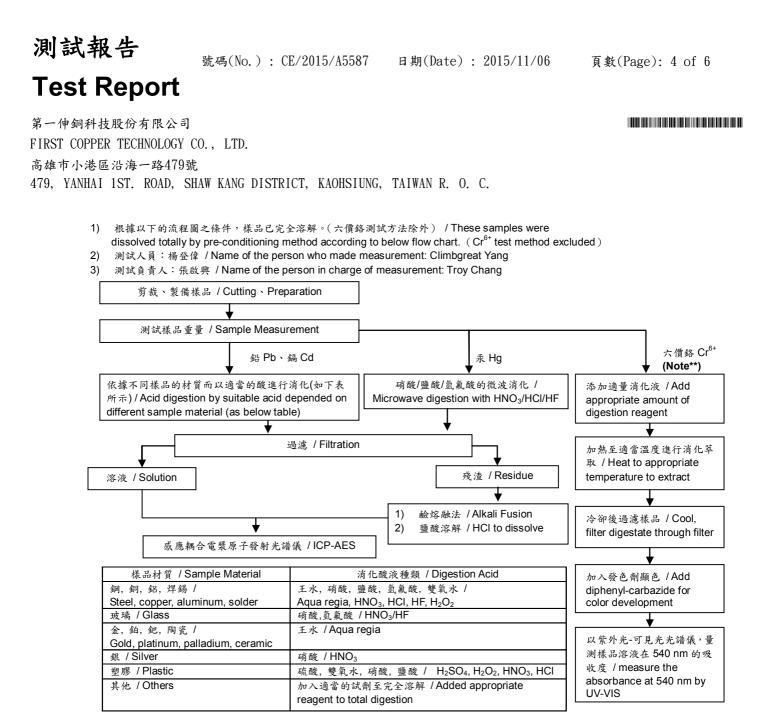
- 1. mg/kg = ppm; 0.1wt% = 1000ppm
- 2. n.d. = Not Detected (未檢出)
- 3. MDL = Method Detection Limit (方法偵測極限值)
- 4. "-" = Not Regulated (無規格值)
- 5. **= Qualitative analysis (No Unit) 定性分析(無單位)
- 6. # = a. Positive means the presence of CrVI on the tested areas (Positive表示測試區域偵測到六價鉻)
 - b. Negative means the absence of CrVI on the tested areas (Negative表示測試區域未偵測到六價鉻)

The detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² tested areas. / $isrice{20.02 mg/kg}$ with 50 cm² (tested areas)

7. 樣品的測試是基於申請人要求混合測試,報告中的混合測試結果不代表其中個別單一材質的含量. (The samples was/were analyzed on behalf of the applicant as mixing sample in one testing. The above results was/were only given as the informality value.)

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Note**: (1) 針對非金屬材料加入鹼性消化液,加熱至 90~95℃萃取. / For non-metallic material, add alkaline digestion reagent and heat to 90~95℃.

(2) 針對金屬材料加入純水,加熱至沸腾萃取. / For metallic material, add pure water and heat to boiling.

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號碼(No.): CE/2015/A5587

日期(Date): 2015/11/06

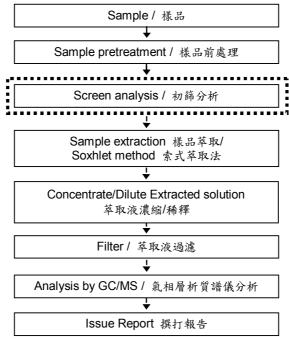
頁數(Page): 5 of 6

Test Report

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

 測試人員:翁賜彬 / Name of the person who made measurement: Roman Wong
測試負責人:張啟興 / Name of the person in charge of measurement: 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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號碼(No.): CE/2015/A5587 日其

日期(Date): 2015/11/06

頁數(Page): 6 of 6

Test Report

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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/2015/A5587



** 報告結尾 (End of Report) **

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