

測試報告 Test Report

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日期(Date) : 2016/08/10

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春大地化學股份有限公司

SPRING GREEN CORPORATION

新北市三重區中正北路361號3樓之1

3F. -1, NO. 361, JHONGJHENG N. RD., SANCHONG DISTRICT, NEW TAIPEI CITY 241, 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) : 春大地化學股份有限公司 (SPRING GREEN CORPORATION)
樣品名稱(Sample Description) : PASTE
樣品型號(Style/Item No.) : WNR-CB8-P12, WNR-PBK7-B1-P12, WNR-BK01-P11, WNR-BK88-P30, WNR-PW6-P60, WNR-PG7-P22, WNR-PG7-P33, WNR-PR170-P11, WNR-PR101-P40, WNR-PR170-P15, WNR-PR254SM-P20, WNR-PY191-P15, WNR-PY191-P22, WNR-PY42-P22, WNR-PY42-P33, WNR-PY53SM-P20, WNR-PB153-P24, NTR-B1, NTR-B26-P30, NTR-CB8-P30, NTR-EC30SJ-P5 (NTR-EC30SJ, NTR-EC30-P5), NTR-W2, NTR-PG7, NTR-PR122, NTR-PR170-P16 (NTR-PR170), NTR-PY42, NTR-PO13, NTR-PB15:3, NTR-PR48:3, NTR-PV23-P8
原產國(Country of Origin) : 台灣 (TAIWAN)
收件日期(Sample Receiving Date) : 2016/07/22
測試期間(Testing Period) : 2016/07/22 TO 2016/08/01

測試需求(Test Requested) : 依據客戶指定, 檢測重金屬特定遷移量及溶出有機錫. / As specified by client, to test Migration of heavy metals and Soluble Organic Tin in the submitted sample.

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


Troy Chang, Manager - Tech
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei



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測試結果(Test Results)

測試部位(PART NAME) No.1 : 黑色膏狀 (BLACK PASTE)

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
溶出鋁 / Soluble Aluminum (Al)	mg/kg	參考 EN 71 Part 3:2013 + A1:2014 ，以感應耦合電漿原子發射光譜儀檢 測。 / With reference to EN 71 Part 3:2013 + A1:2014. Analysis was performed by ICP-AES.	50	n. d.
溶出銻 / Soluble Antimony (Sb)	mg/kg		1	n. d.
溶出砷 / Soluble Arsenic (As)	mg/kg		0.5	n. d.
溶出鋇 / Soluble Barium (Ba)	mg/kg		50	n. d.
溶出硼 / Soluble Boron (B)	mg/kg		50	n. d.
溶出鎘 / Soluble Cadmium (Cd)	mg/kg		0.1	n. d.
溶出鈷 / Soluble Cobalt (Co)	mg/kg		0.5	n. d.
溶出銅 / Soluble Copper (Cu)	mg/kg		50	n. d.
溶出鉛 / Soluble Lead (Pb)	mg/kg		0.5	n. d.
溶出錳 / Soluble Manganese (Mn)	mg/kg		50	n. d.
溶出汞 / Soluble Mercury (Hg)	mg/kg		0.5	n. d.
溶出鎳 / Soluble Nickel (Ni)	mg/kg		10	n. d.
溶出硒 / Soluble Selenium (Se)	mg/kg		5	n. d.
溶出銦 / Soluble Strontium (Sr)	mg/kg		50	n. d.
溶出錫 / Soluble Tin (Sn)	mg/kg		4.9	n. d.
溶出鋅 / Soluble Zinc (Zn)	mg/kg	50	n. d.	
溶出鉻 / Soluble Chromium (Cr)	mg/kg	5	n. d.	
溶出三價鉻 / Soluble Chromium (III) (Cr (III))	mg/kg	參考 EN 71 Part 3:2013 + A1:2014 ，以液相層析感應耦合電漿質譜儀檢 測。 / With reference to EN 71 Part 3:2013 + A1:2014. Analysis was performed by LC-ICP-MS.	5	n. d.
溶出六價鉻 / Soluble Chromium (VI) (Cr (VI))	mg/kg		0.005	n. d.

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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
甲基錫 / Methyl tin (MeT)	mg/kg	參考 EN 71 Part 3:2013 + A1:2014 ，以氣相層析/質譜儀檢測。 / With reference to EN 71 Part 3:2013 + A1:2014. Analysis was performed by GC/MS.	0.14	n. d.
二丙基錫 / Di-n-propyl tin (DProT)	mg/kg		0.14	n. d.
單丁基錫 / Butyl tin (BuT)	mg/kg		0.14	n. d.
二丁基錫 / Dibutyl Tin (DBT)	mg/kg		0.14	n. d.
三丁基錫 / Tributyl Tin (TBT)	mg/kg		0.14	n. d.
單辛基錫 / n-Octyl tin (MOT)	mg/kg		0.14	n. d.
四丁基錫 / Tetrabutyltin (TeBT)	mg/kg		0.14	n. d.
二苯基錫 / Diphenyltin (DphT)	mg/kg		0.14	n. d.
二辛基錫 / Di-n-octyl tin (DOT)	mg/kg		0.14	n. d.
三苯基錫 / Triphenyl Tin (TphT)	mg/kg		0.14	n. d.
溶出有機錫 / Soluble Organic Tin	mg/kg		-	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)

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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.)

CY/2016/70635



** 報告結尾(End of Report) **