

測試報告 Test Report

號碼(No.) : CY/2016/C0263

日期(Date) : 2016/12/16

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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) : CARBON BLACK (碳黑)
樣品型號(Style/Item No.) : 客戶自行調配之樣品 (SAMPLE IS BLENDED BY CLIENT):AS-10, AS-11, AS-11A, AS-101, AS-102, AS-102T, AS-103, AS-103T, AS-105, AS-105T, AS-1105T, AS-11A, AS-11M, AS-12M, AS-107, AS-108, AS-117A, AS-118, AS-168, AS-168K, AS-168TK, AS-1005, AS-1255, AS-1923, AS-1300A, AS-1500, AS-1500A, AS-1600, AS-1800, AS-1800T, AS-1900, AS-1980, AS-1990, AS-21, AS-25TK, AS-201, AS-213, AS-222T, AS-2000, AS-2131, AS-2080, AS-2088, AS-2688, AS-2923, AS-3M, AS-319, AS-32, AS-32JT, AS-38, AS-301, AS-360, AS-390D, AS-62JT, AS-45, AS-412, AS-412T, AS-430, AS-52, AS-52T, AS-52T(S), AS-53, AS-53B, AS-523, AS-55P, AS-500, AS-500L, AS-62, AS-66, AS-66T AS-68, AS-600, AS-6923, AS-78-1, AS-700, AS-702G, AS-703G, AS-706A, AS-722T, AS-760, AS-775B, AS-775I, AS-775T, AS-755B, AS-755T, AS-780, AS-768K, AS-8, AS-8NT, AS-82, AS-8N, AS-800, AS-810, AS-820, AS-823, AS-832, AS-885I, AS-9, AS-9A, AS-9AT, AS-91, AS-94, AS-98, AS-99, AS-99A, AS-9F, AS-900, AS-900A, AS-910A, AS-915D, AS-958K, AS-990, AS-9923, AS-AK2, AS-BK2, AS-CK2, AS-F900A, AS-SHT88, AS-W12, AS-W26, AS-W26P, AS-TK25, AS-PK23, AS-EC503, AS-EC503B, AS-EC30SJ, AS-EB, AS-SB, AS-F1, AS-F16, AS-F128, AS-F35, AS-F4, AS-HT01, AS-NEC01, AS-PP802, AS-B53, AS-P53, N-110, N-121, N-219, N-220, N-326, N-330, N-339, N-375, N-550, N-660, N-774, N-762, GR01, 96999

原產國(Country of Origin) : 台灣 (TAIWAN)
收件日期(Sample Receiving Date) : 2016/12/08
測試期間(Testing Period) : 2016/12/08 TO 2016/12/16

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 : 黑色粉末(客戶自行調配之樣品) (BLACK POWDER (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
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		0.018	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
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.	0.2	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. MDL = Method Detection Limit (方法偵測極限值)
3. n. d. = Not Detected = below MDL (未檢出 / 低於MDL)
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.)

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** 報告結尾(End of Report) **

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