
FRONT
3MD619PK010


設計驗證
工程課
2023.08.23
發行





設計驗證
工程課
2023.08.23
發行
紅綠科技開發股份有限公司

科 勁 有 限 公 司

承認書

APPROVED DATA

客戶名稱： 鈺緯開發股份有限公司

物料規格： AB楞5層瓦楞牛皮紙

尺　　寸： 873±4*168±4*630±4 mm

料　　號： 3MD619PK010(M3471)

圖　　面：

材質證明：

設計驗證
工程課
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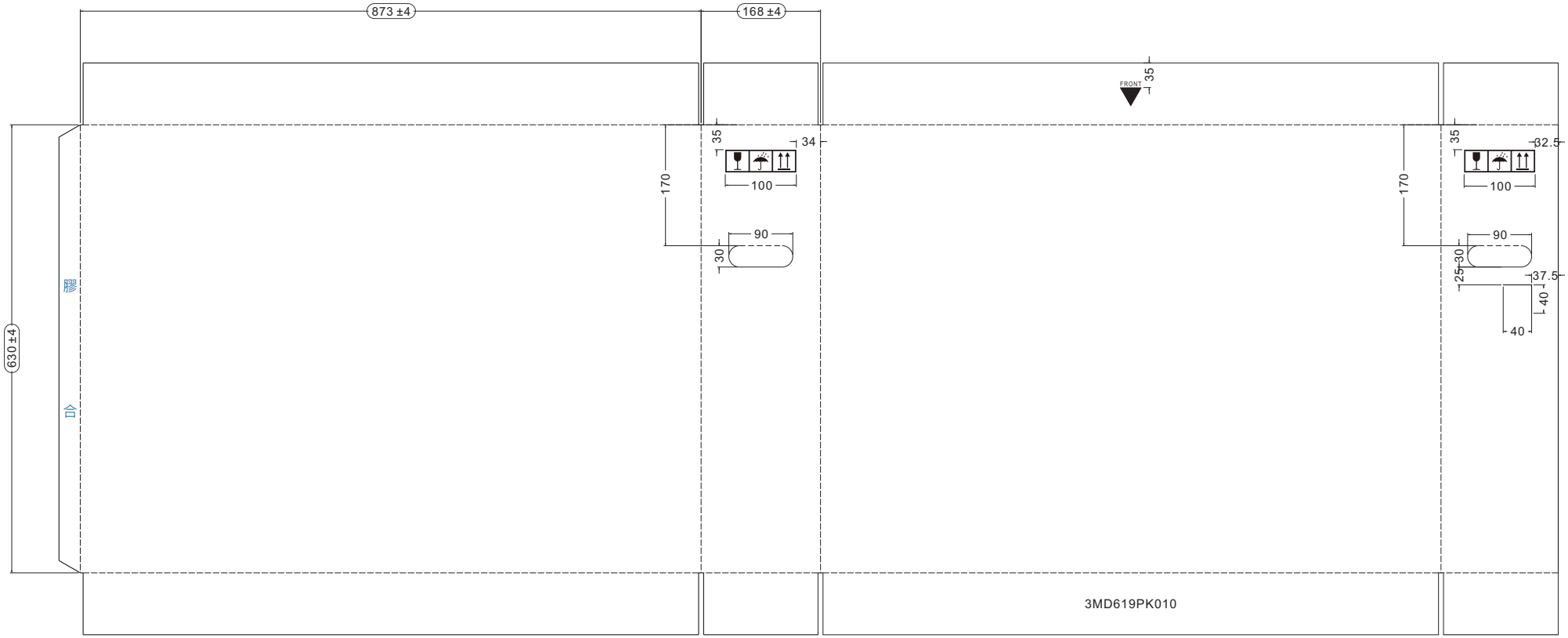
鈺緯科技開發股份有限公司

樣品檢驗報告:

承認日期： 2023 年 08 月 17 日

REV.	DATE	DESCRIPTION	BY	APVD



Note:

1.材質:AB楞, 5層瓦楞牛皮紙(黃紙)
(Five-tier cardboard, AB flute corrugated paper)

2. 破裂強度:16 kgf/cm^2

3. 耐壓強度:300 kgf±5%

4. Outside Carton size: L880 x W175 x H641 公差：±4mm
*Outside dimension=Crease size L+7mm x W+7mm x H+11mm(For 5 layers paper)

5. 未標註公差皆為±5mm

6. ■膠合 □打釘 / 打釘數： 須≧ 釘
打釘數標準：紙箱高度÷50mm=釘數

7. 檢驗規範文件號碼：QWI-019

設計驗證
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鈺緯科技開發股份有限公司

THIRD ANGLE PROJECTION	UNITS: mm	SCALE: 1/1	SHEET: 1/1	MODEL NO.: SC31820
	MATERIAL:		TREATMENT:	
DSGD by ALBERT	2023/08/01	PART NAME: CARTON		
APVD by Laglie	2023/08/23	PART NO.: 3MD619PK010		VER. 0
APVD NO.: M3471	FILE NAME: SC31820.cdr	DIVA Laboratories ,Ltd.		

科勁有限公司
樣品檢驗報告

廠商：鈺緯　　檢驗日期：2023.08.17　品名：紙箱　　料號：3MD619PK010
(M3471)

尺寸測定：請依規定量測 3PCS 之值存於下表中			材質	AB 瓦楞紙版	
測試內容	標 準	1	2	3	判 定
長	873(+/-4)	873	873	874	OK
寬	168+/-4)	168	168	168	OK
高	630(+/-4)	630	631	630	OK
破裂 kg/cm²	≥16kg/cm²	16.4	16.9	16.5	OK
耐壓強度 kg/cm²	≥300kg/cm²	300.5	300.9	300.8	OK

其 它 檢 驗 項 目

項次	檢驗項目	判定標準	判定
1	裁切檢驗	不可有歪斜或切斷之異常現象	OK
2	印刷檢查	不可有脫墨、缺邊、漏白、模糊等之異現象	OK
3	文字檢查	依有效圖面文字比對，不可有差異或疏漏	OK
4	外觀檢查	不可有刮傷，髒污，變形，破損之異常現象	OK
5	印刷顏色	依樣品或 PANTOE 色卡（有效圖面規定色號）	OK
6	接合方式	依有效圖面規定釘合或膠合	OK

G P 檢 驗 項 目

項次	檢驗項目	判定標準（依 SONY SS-00259）	檢驗結果	判定
1	鉛及鉛化合物	≤ 100 PPM	PPM	OK
2	鎘及鎘化合物	≤ 5PPM	PPM	OK
3	汞及汞化合物	≤ 5 PPM	PPM	OK
4	六價鉻化合物	≤ 10 PPM	PPM	OK
5	溴化合物	< 5 PPM	PPM	OK
6	總含量	< 100 PPM	PPM	OK

確　認	范嘉祺	檢　驗	曾育宣

大夏紙業股份有限公司

出廠檢驗報告表

客　戶：科　勁　　數　量：100

品　名：紙箱　　檢驗數量：1

檢驗日期：112 年 08 月 18 日　　出貨日期：112 年 08 月 21 日

□平板 ■紙箱 □格板

檢驗項目		標準值	測定值					判定		備註
								合格	不合格	
尺寸±3mm	長	873	874					V		
	寬	168	169							
	高	630	632							
印刷		圖案	無					V		
		印色	無					V		
材質		A 級 260g/m²	芯級 100 g/m²	芯級 101g/m²	芯級 100 g/m²	A 級 261/m²		V		
破裂度 kgf/cm²		16 kgf/cm² ↑	16.4			≒	16.3	V		
			16.2							

品保課 合格章

核准：張振成　　審查：賴美蘭　　品管員：林淑娟

TII-QP-016-04-A

測試報告
Test Report

號碼(No.): ETR22A00312 日期(Date): 12-Oct-2022

正隆股份有限公司 (CHENG LOONG CORP.)
新北市板橋區民生路一段1號 (1, SEC. 1, MIN SHENG ROAD. PAN-CHIAO DIST., NEW TAIPEI CITY 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 the applicant as)：

送樣廠商(Sample Submitted By) : 正隆股份有限公司 (CHENG LOONG CORP.)
樣品名稱(Sample Name) : LINER BOARD; CORE PAPER; CHIP PAPER BOARD(裱面紙板;紙管紙;灰紙板)

==========

收件日(Sample Receiving Date) : 03-Oct-2022
測試期間(Testing Period) : 03-Oct-2022 to 12-Oct-2022

測試需求(Test Requested) :
(1) 依據客戶指定，參考RoHS 2011/65/EU Annex II及其修訂指令(EU) 2015/863測試鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚, DBP, BBP, DEHP, DIBP。 (As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).)
(2) 依據客戶指定，測試鹵素-氟、氯、溴、碘。 (As specified by client, to test Halogen-Fluorine, Chlorine, Bromine, Iodine in the submitted sample.)

測試結果(Test Results) : 請參閱下一頁 (Please refer to following pages.)

結　論(Conclusion) :
(1) 根據客戶所提供的樣品，其鎘、鉛、汞、六價鉻、多溴聯苯、多溴聯苯醚, DBP, BBP, DEHP, DIBP的測試結果符合RoHS 2011/65/EU Annex II暨其修訂指令(EU) 2015/863之限值要求。 (Based on the performed tests on submitted sample(s), the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.)

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

CHECK REPORT
PIN CODE: FD149AB8

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測試報告
Test Report

正隆股份有限公司 (CHENG LOONG CORP.)
新北市板橋區民生路一段1號 (1, SEC. 1, MIN SHENG ROAD. PAN-CHIAO DIST., NEW TAIPEI CITY TAIWAN R. O. C.)

測試部位敘述 (Test Part Description)

No.1 : 棕色紙張 (BROWN PAPER)

測試結果 (Test Results)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
鎘 (Cd) (Cadmium (Cd)) (CAS No.: 7440-43-9)	參考IEC 62321-5: 2013，以感應耦合電漿發射光譜儀分析。(With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.)	mg/kg	2	n.d.	100
鉛 (Pb) (Lead (Pb)) (CAS No.: 7439-92-1)		mg/kg	2	3.77	1000
汞 (Hg) (Mercury (Hg)) (CAS No.: 7439-97-6)	參考IEC 62321-4: 2013+ AMD1: 2017，以感應耦合電漿發射光譜儀分析。(With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES.)	mg/kg	2	n.d.	1000
六價鉻 Cr(VI) (Hexavalent Chromium Cr(VI)) (CAS No.: 18540-29-9)	參考IEC 62321-7-2: 2017，以紫外光-可見光分光光度計分析。(With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS.)	mg/kg	8	n.d.	1000
一溴聯苯 (Monobromobiphenyl)	參考IEC 62321-6: 2015，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.)	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.	-
多溴聯苯總和 (Sum of PBBs)		mg/kg	-	n.d.	1000

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測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result) No.1	限值 (Limit)
一溴聯苯醚 (Monobromodiphenyl ether)	參考IEC 62321-6: 2015，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.)	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	5	n.d.	-
四溴聯苯醚 (Tetrabromodiphenyl ether)		mg/kg	5	n.d.	-
五溴聯苯醚 (Pentabromodiphenyl ether)		mg/kg	5	n.d.	-
六溴聯苯醚 (Hexabromodiphenyl ether)		mg/kg	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.	-
多溴聯苯醚總和 (Sum of PBDEs)		mg/kg	-	n.d.	1000
鄰苯二甲酸丁苯甲酯 (BBP) (Butyl benzyl phthalate (BBP)) (CAS No.: 85-68-7)	參考IEC 62321-8: 2017，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)	mg/kg	50	n.d.	1000
鄰苯二甲酸二丁酯 (DBP) (Dibutyl phthalate (DBP)) (CAS No.: 84-74-2)		mg/kg	50	n.d.	1000
鄰苯二甲酸二異丁酯 (DIBP) (Diisobutyl phthalate (DIBP)) (CAS No.: 84-69-5)		mg/kg	50	n.d.	1000
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (Di-(2-ethylhexyl) phthalate (DEHP)) (CAS No.: 117-81-7)		mg/kg	50	n.d.	1000
氟 (F) (Fluorine (F)) (CAS No.: 14762-94-8)	參考BS EN 14582: 2016，以離子層析儀分析。(With reference to BS EN 14582: 2016, analysis was performed by IC.)	mg/kg	50	n.d.	-
氯 (Cl) (Chlorine (Cl)) (CAS No.: 22537-15-1)		mg/kg	50	121	-
溴 (Br) (Bromine (Br)) (CAS No.: 10097-32-2)		mg/kg	50	n.d.	-
碘 (I) (Iodine (I)) (CAS No.: 14362-44-8)		mg/kg	50	n.d.	-

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備註(Note)：

1. mg/kg = ppm；0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit (方法偵測極限值)
3. n.d. = Not Detected (未檢出) ; 小於MDL / Less than MDL
4. "-" = Not Regulated (無規格值)
5. 除非另有說明，參照ILAC-G8:09/2019，採用簡單二元(w=0)允收規則進行符合性判定；根據此規則，符合性結果之判定係以測試結果與限值做比較。(Unless otherwise stated , the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019. According to this rule, the judgement of conformity is based on the comparing test results with limits.)

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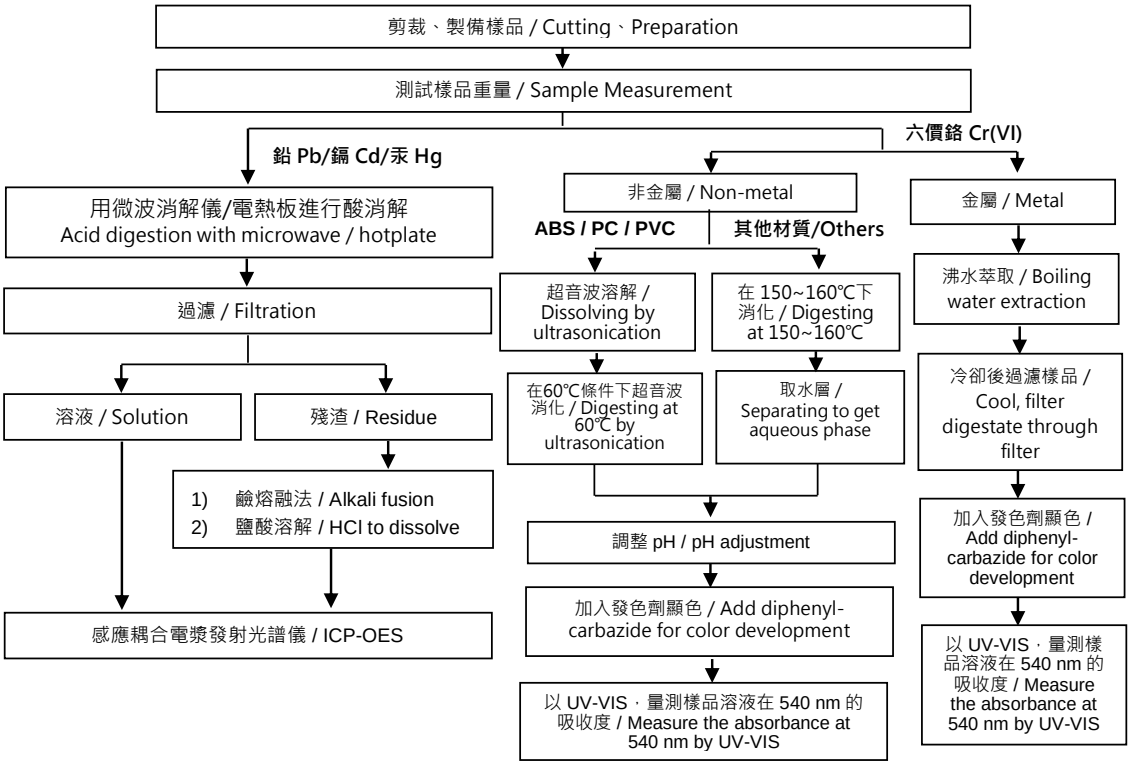
重金屬流程圖 / Analytical flow chart of Heavy Metal

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^{6+} test method excluded）



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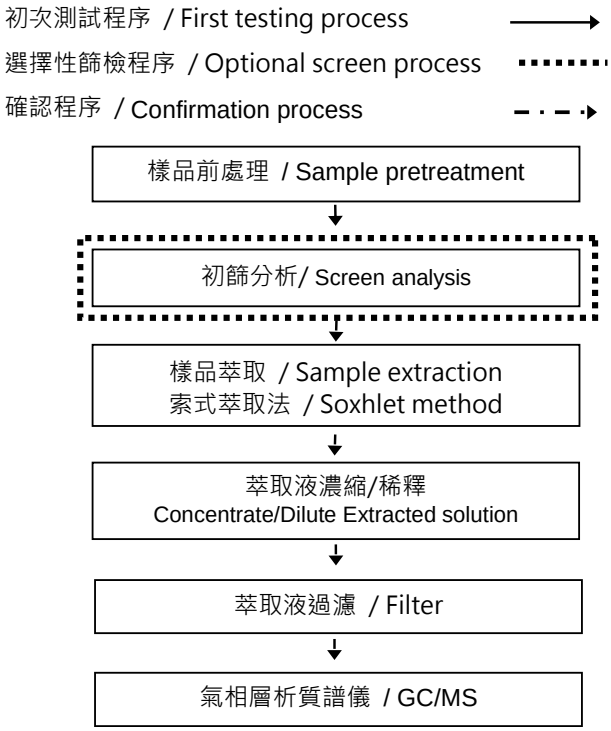
多溴聯苯/多溴聯苯醚分析流程圖 / Analytical flow chart - PBBs/PBDEs



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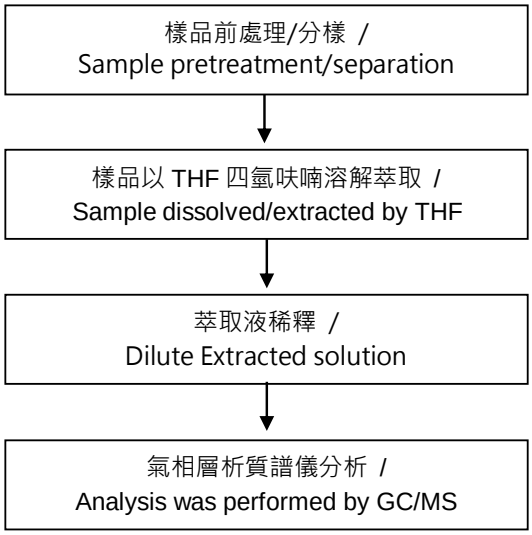
可塑劑分析流程圖 / Analytical flow chart - Phthalate

【測試方法/Test method: IEC 62321-8】



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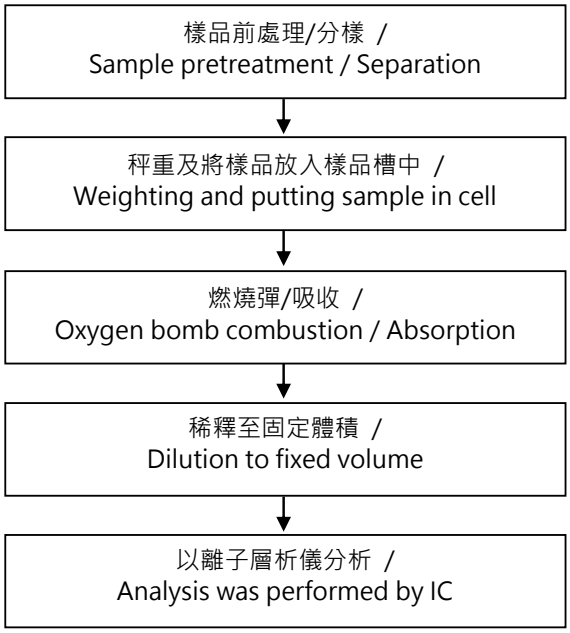
鹵素分析流程圖 / Analytical flow chart - Halogen



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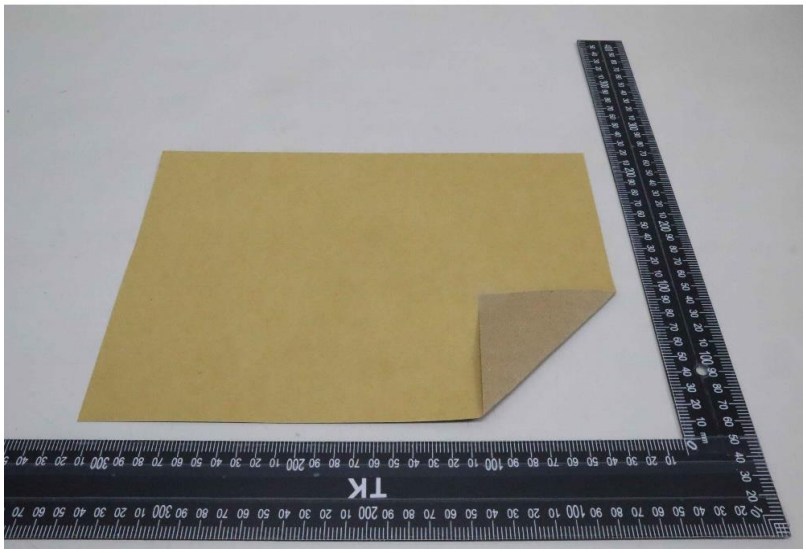
測試報告
Test Report

正隆股份有限公司 (CHENG LOONG CORP.)
新北市板橋區民生路一段1號 (1, SEC. 1, MIN SHENG ROAD. PAN-CHIAO DIST., NEW TAIPEI CITY TAIWAN R. O. C.)

*** 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.)

ETR22A00312



** 報告結尾 (End of Report) **

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