測試報告
Test Report

號碼(No.): ETR26100037　　日期(Date): 15-Jan-2026　　

台灣化學纖維股份有限公司 (FORMOSA CHEMICALS & FIBRE CORPORATION)
台北市內湖區南京東路6段380號 (NO.380, SEC6, NANJING E. RD., NEIHU DIST., TAIPEI , TAIWAN)

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)	:	台灣化學纖維股份有限公司 (FORMOSA CHEMICALS & FIBRE CORPORATION)
樣品名稱(Sample Name)	:	ACRYLONITRILE/BUTADIENE/STYRENE COPOLYMERS (丙烯腈/丁二烯/苯乙烯共聚合樹脂)
樣品型號(Style/Item No.)	:	TAIRILAC ABS AE8000, AE8700, AE8805, AF3500, AF3510, AF3530, AF3535, AF3537, AF353T, AF353G, AF3560, AF3600, AH2003, AG1000, AG1000-L, AG1000-X, AG100H, AG10AP, AG10NP, AG10NP-T, AG10NP-H, AG10NP-V, AG12A0, AG12A1, AG12A3, AG12AJ, AG15A0, AG15A1, AG15A1-F, AB15A1-H, AR15A1-H, AG15A1-H, AG15A2, AG15A3, AG15AM, AG15E0, AG15E1, AG15E2, AG15E3, AG15EP, AG16A1, AG16A3, AG18A3, AG19A3, AG23AT, AG26AT, AG27AT, AX4000, AX4100, AX4300

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收件日(Sample Receiving Date)	:	02-Jan-2026
測試期間(Testing Period)	:	02-Jan-2026 to 15-Jan-2026
測試需求(Test Requested)	:	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).)
測試結果(Test Results)	:	請參閱下一頁 (Please refer to following pages.)
結　　論(Conclusion)	:	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: EBB82145

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測試部位敘述 (Test Part Description)

No.1　:　白色塑膠粒 (WHITE PLASTIC PELLETS)

測試結果 (Test Results)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result) No.1	限值 (Limit)
鎘 (Cd) (Cadmium (Cd))	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))		mg/kg	2	n.d.	1000
汞 (Hg) (Mercury (Hg))	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))	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))	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))		mg/kg	50	n.d.	1000
鄰苯二甲酸二異丁酯 (DIBP) (Diisobutyl phthalate (DIBP))		mg/kg	50	n.d.	1000
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (Di-(2-ethylhexyl) phthalate (DEHP))		mg/kg	50	n.d.	1000

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決定規則，採用簡單允收規則之二分法(w=0)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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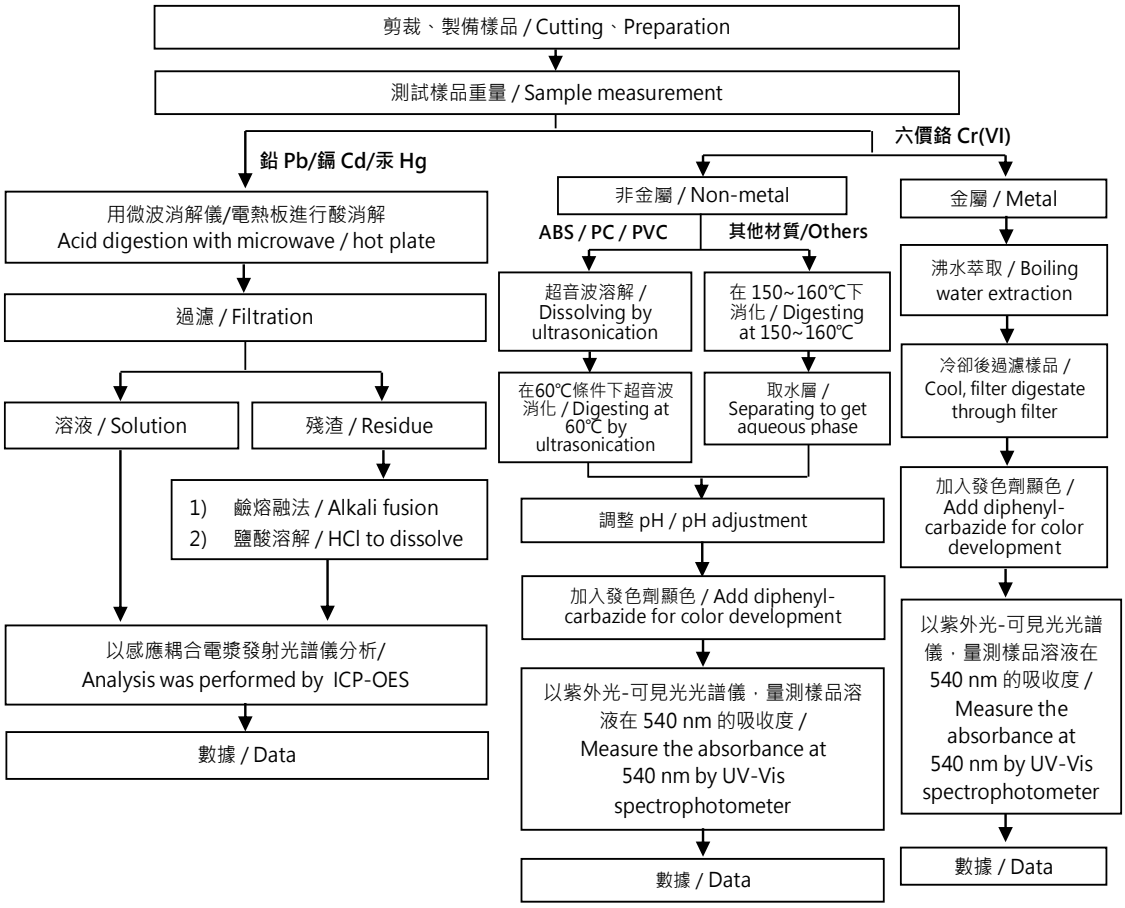
重金屬流程圖 / Analytical flow chart of heavy metal

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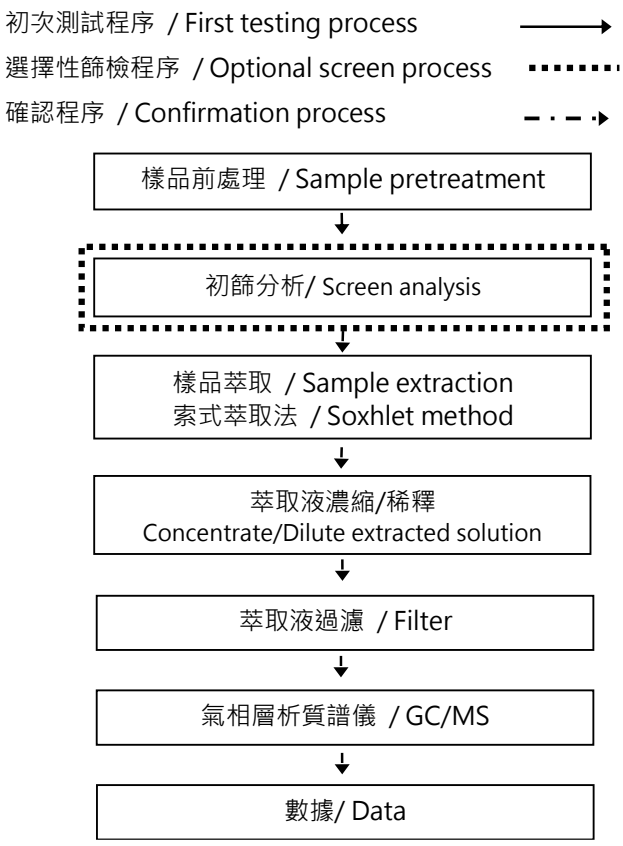
多溴聯苯/多溴聯苯醚分析流程圖 / Analytical flow chart - PBBs/PBDEs



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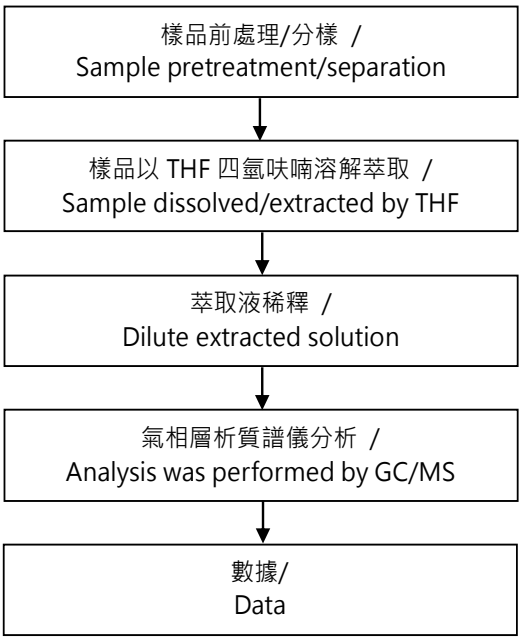
可塑劑分析流程圖 / Analytical flow chart - Phthalate

【測試方法/Test method: IEC 62321-8】



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*** 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.)

ETR26100037

** 報告結尾 (End of Report) **

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Issue Date: 2026-01-16

VERIFICATION OF CONFORMITY for SGS RoHS REQUIREMENTS

Product	:	ACRYLONITRILE/BUTADIENE/STYRENE COPOLYMERS (丙烯腈/丁二烯/苯乙烯共聚合樹脂)
Test requested by	:	FORMOSA CHEMICALS & FIBRE CORPORATION
Name and address of the manufacturer	:	FORMOSA CHEMICALS & FIBRE CORPORATION NO.380, SEC6, NANJING E. RD., NEIHU DIST., TAIPEI , TAIWAN
Name and address of the factory	:	FORMOSA CHEMICALS & FIBRE CORPORATION NO.380, SEC6, NANJING E. RD., NEIHU DIST., TAIPEI , TAIWAN
Trademark	:	N/A
Model/ Identification	:	TAIRILAC ABS AE8000, AE8700, AE8805, AF3500, AF3510, AF3530, AF3535, AF3537, AF353T, AF353G, AF3560, AF3600, AH2003, AG1000, AG1000-L, AG1000-X, AG100H, AG10AP, AG10NP, AG10NP-T, AG10NP-H, AG10NP-V, AG12A0, AG12A1, AG12A3, AG12AJ, AG15A0, AG15A1, AG15A1-F, AB15A1-H, AR15A1-H, AG15A1-H, AG15A2, AG15A3, AG15AM, AG15E0, AG15E1, AG15E2, AG15E3, AG15EP, AG16A1, AG16A3, AG18A3, AG19A3, AG23AT, AG26AT, AG27AT, AX4000, AX4100, AX4300
Conclusion	:	The assessed sample made available complies with the limits of Pb, Hg, Cd, Cr (VI), PBBs, PBDEs, DEHP, BBP, DBP, DIBP as set by SGS RoHS Certification Rules.

This Verification of Conformity is based on analysis of the product, component or material and verifying the documentation being in accordance with the provisions of the SGS RoHS Certification Rules on the restriction of the use of certain hazardous substances in electrical and electronic equipment. It does not imply an assessment of the production. No amounts above the limits of these substances have been detected or if so, specific exemptions are applicable. This result relates only to the item(s) tested.

Authorized Signatory

Yvonne WU
Project Manager
SGS

SGS RoHS
www.sgs.com

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Attention: To check the authenticity/inspection report & certificate, please contact us at telephone: (886)222993279#3000, or email: rsts.tw@sgs.com

Sufficient samples of the product have been analysed according to the following scope	:	Pb, Hg, Cd, Cr (VI), PBBs, PBDEs, DEHP, BBP, DBP, DIBP according to standard IEC 62321-4: 2013+AMD1: 2017, IEC 62321-5: 2013, IEC 62321-6: 2015, IEC 62321-7-2: 2017, IEC 62321-8: 2017.
As shown in the report	:	ETR26100037
Date of expiry	:	2027-01-15

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