

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 1 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

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) : 台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)
樣品名稱(Sample Name) : COPPER CLAD LAMINATE
樣品型號(Style/Item No.) : TU-865

收件日(Sample Receiving Date) : 31-Jan-2024
測試期間(Testing Period) : 31-Jan-2024 to 07-Feb-2024

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) 其他測試項目請見下一頁。(Please refer to next pages for the other item(s).)

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



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 2 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

測試部位敘述 (Test Part Description)

No.1 : 銅色薄片 (COPPER COLORED LAMINATE)

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))	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	4.28	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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 3 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
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(2-乙基己基)酯 (DEHP) (Di-(2-ethylhexyl) phthalate (DEHP))		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
鄰苯二甲酸二異癸酯 (DIDP) (Diisodecyl phthalate (DIDP)) (CAS No.: 26761-40-0, 68515-49-1)		mg/kg	50	n.d.	-
鄰苯二甲酸二異壬酯 (DINP) (Diisononyl phthalate (DINP)) (CAS No.: 28553-12-0, 68515-48-0)		mg/kg	50	n.d.	-
鄰苯二甲酸二正辛酯 (DNOP) (Di-n-octyl phthalate (DNOP)) (CAS No.: 117-84-0)		mg/kg	50	n.d.	-

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 4 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
鄰苯二甲酸二乙酯 (DEP) (Di-ethyl phthalate (DEP)) (CAS No.: 84-66-2)	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.	-
鄰苯二甲酸二甲酯 (DMP) (Dimethyl phthalate (DMP)) (CAS No.: 131-11-3)		mg/kg	50	n.d.	-
鄰苯二甲酸二正戊酯 (DNPP) (Di-n-pentyl phthalate (DNPP)) (CAS No.: 131-18-0)		mg/kg	50	n.d.	-
鄰苯二甲酸二正己酯 (DNHP) (Di-n-hexyl phthalate (DNHP)) (CAS No.: 84-75-3)		mg/kg	50	n.d.	-
鄰苯二甲酸雙(2-甲氧基乙基)酯 (DMEP) (Bis(2-methoxyethyl) phthalate (DMEP)) (CAS No.: 117-82-8)		mg/kg	50	n.d.	-
鄰苯二甲酸二異戊酯 (DIPP) (Diisopentyl phthalate (DIPP)) (CAS No.: 605-50-5)		mg/kg	50	n.d.	-
鄰苯二甲酸二(C7-11支鏈與直鏈)烷基酯 (DHNUP) (1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)) (CAS No.: 68515-42-4)		mg/kg	50	n.d.	-
鄰苯二甲酸二(C6-8支鏈)烷基酯 · 富C7 (DIHP) (1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)) (CAS No.: 71888-89-6)		mg/kg	50	n.d.	-
六溴環十二烷及所有主要被辨別出的異構物 (HBCDD) (α - HBCDD, β - HBCDD, γ - HBCDD) (Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ - HBCDD)) (CAS No.: 25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	參考IEC 62321-9: 2021 · 以氣相層析儀/質譜儀分析。(With reference to IEC 62321-9: 2021, analysis was performed by GC/MS.)	mg/kg	20	n.d.	-

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 5 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
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	1230	-
氯 (Cl) (Chlorine (Cl)) (CAS No.: 22537-15-1)		mg/kg	50	216	-
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.	-
全氟辛烷磺酸及其鹽類 (PFOS and its salts) (CAS No.: 1763-23-1 and its salts)	參考DIN CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to DIN CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.	-
全氟辛酸及其鹽類 (PFOA and its salts) (CAS No.: 335-67-1 and its salts)		mg/kg	0.01	n.d.	-
短鏈氯化石蠟(C10-C13) (SCCP) (Short Chain Chlorinated Paraffins(C10-C13) (SCCP)) (CAS No.: 85535-84-8)	參考ISO 18219-1: 2021 · 以氣相層析儀/質譜儀分析。(With reference to ISO 18219-1: 2021, analysis was performed by GC/MS.)	mg/kg	50	n.d.	-
四溴雙酚-A (TBBP-A) (Tetrabromobisphenol A (TBBP-A)) (CAS No.: 79-94-7)	參考RSTS-E&E-121 · 以液相層析儀/質譜儀分析。(With reference to RSTS-E&E-121, analysis was performed by LC/MS.)	mg/kg	10	n.d.	-
三丁基錫 (TBT) (Tributyl tin (TBT))	參考ISO 17353: 2004 · 以氣相層析儀/火焰光度偵測器分析。(With reference to ISO 17353: 2004, analysis was performed by GC/FPD.)	mg/kg	0.03	n.d.	-
三苯基錫 (TPT) (Triphenyl tin (TPT))		mg/kg	0.03	n.d.	-
二丁基錫 (DBT) (Dibutyl tin (DBT))		mg/kg	0.03	n.d.	-
二辛基錫 (DOT) (Diocetyl tin (DOT))		mg/kg	0.03	n.d.	-
氧化雙三丁基錫 (TBTO) (Bis(tributyltin) oxide (TBTO)) (CAS No.: 56-35-9)	由三丁基錫測試結果計算得之。(Calculated from the result of Tributyl Tin (TBT).)	mg/kg	0.03▲	n.d.	-

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 6 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
聚氯乙烯 (Polyvinyl chloride) (PVC)	參考ASTM E1252: 2021 · 以傅立葉轉換紅外線光譜儀及焰色法分析。(With reference to ASTM E1252: 2021, analysis was performed by FT-IR and Flame Test.)	**	-	Negative	-
砷 (As) (Arsenic (As)) (CAS No.: 7440-38-2)	參考US EPA 3052: 1996 · 以感應耦合電漿發射光譜儀分析。(With reference to US EPA 3052: 1996, analysis was performed by ICP-OES.)	mg/kg	2	n.d.	-
鈹 (Be) (Beryllium (Be)) (CAS No.: 7440-41-7)		mg/kg	2	n.d.	-
銻 (Sb) (Antimony (Sb)) (CAS No.: 7440-36-0)		mg/kg	2	n.d.	-

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. ** = Qualitative analysis (No Unit) 定性分析(無單位)
6. Negative = Undetectable 陰性(未偵測到); Positive = Detectable 陽性(已偵測到)
7. ▲ : MDL是針對元素/測試化合物之評估。(The MDL was evaluated for element / tested substance.)

換算公式 (Conversion Formula) : $AX = A \times F$

AX	A	F
氧化雙三丁基錫 (Bis(tributyltin)oxide) (TBTO)	三丁基錫 (Tributyl Tin) (TBT)	1.0276

參數換算表 (Parameter Conversion Table) :

https://eecloud.sgs.com/Region_TW/DocDownload.aspx?name=Others

8. 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.)

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 7 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

PFAS Remark :

現有PFAS定量技術是分析PFAS物質的特定結構，但同碳數族群之PFAS酸及鹽類物質，其可被辨識的特定結構相同，因此無法區別所分析的特定結構是來自酸或者鹽類，故測試結果為同碳數族群之PFAS之酸及鹽類物質的濃度總合。下表PFAS物質濃度皆已包含在測試結果中，相關資訊請參見下表：(下表列舉PFAS物質僅為範例，並不包含所有同碳數族群之PFAS鹽類。)

(The quantitative technology of PFAS is to analyze the specific structure of PFAS substances. However, PFAS acid and its salts with the same carbon number group have the same specific structure that can be identified. The tested results of the analyzed specific structure cannot be distinguished to identify the contribution from PFAS acid or its salts. Therefore, the tested results display the sum of concentrations of PFAS acids and its salts with the same carbon number group. The concentration of PFAS substances in the below table have been included in the tested results, please refer to the table for relevant information: (The listed PFAS substances are examples only, it do not include all PFAS salts with the same carbon number group.))

群組名稱 (Group Name)	物質名稱 (Substance Name)	CAS No.
PFOS, 及其鹽&衍生物 (PFOS, its salts & derivatives)	全氟辛烷磺酸 (Perfluorooctane sulfonates) (PFOS)	1763-23-1
	全氟辛基磺酸鉀 (PFOS-K) Potassium perfluorooctanesulfonate (PFOS-K)	2795-39-3
	全氟辛基磺酸鋰 (PFOS-Li) Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
	全氟辛基磺酸銨 (PFOS-NH ₄) Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)	29081-56-9
	全氟辛基磺酸二乙醇銨 (PFOS-NH(OH) ₂) Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) ₂)	70225-14-8
	全氟辛基磺酸四乙基銨 (PFOS-N(C ₂ H ₅) ₄) Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3
	全氟辛基磺酸二癸二甲基銨 (PFOS-DDA) N-decyl-N,N-dimethyldecyl-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-DDA)	251099-16-8

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 8 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

群組名稱 (Group Name)	物質名稱 (Substance Name)	CAS No.
PFOS, 及其鹽&衍生物 (PFOS, its salts & derivatives)	全氟辛基磺酰氟 (POSF) Perfluorooctane sulfonyl fluoride (POSF)	307-35-7
	全氟辛基磺酸鎂 (PFOS-Mg) Perfluorooctanesulfonic acid, magnesium salt (PFOS-Mg)	91036-71-4
	全氟辛基磺酸鈉 (PFOS-Na) Perfluorooctanesulfonic acid, sodium salt (PFOS-Na)	4021-47-0
	全氟辛烷磺酸哌啶 Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctanesulfonate	71463-74-6
PFOA, 及其鹽&衍生物 (PFOA, its salts & derivatives)	全氟辛酸 (Perfluorooctanoic acid) (PFOA)	335-67-1
	全氟辛酸鈉 (PFOA-Na) Sodium perfluorooctanoate (PFOA-Na)	335-95-5
	全氟辛酸鉀 (PFOA-K) Potassium perfluorooctanoate (PFOA-K)	2395-00-8
	全氟辛酸銀 (PFOA-Ag) Silver perfluorooctanoate (PFOA-Ag)	335-93-3
	全氟辛氟 (PFOA-F) Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
	全氟辛酸銨 (APFO) Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
	全氟辛酸鋰 (PFOA-Li) Lithium perfluorooctanoate (PFOA-Li)	17125-58-5

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 9 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

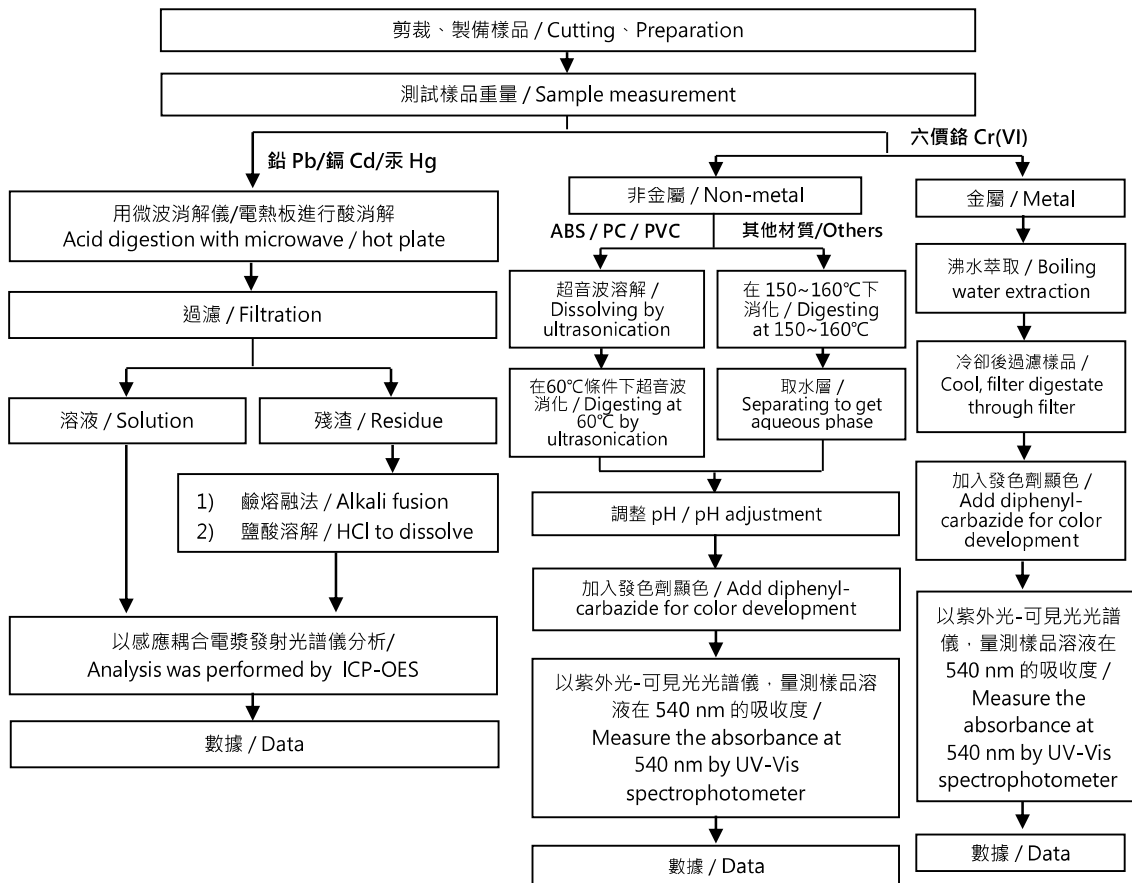
廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

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.

(Cr⁶⁺ test method excluded)



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 10 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

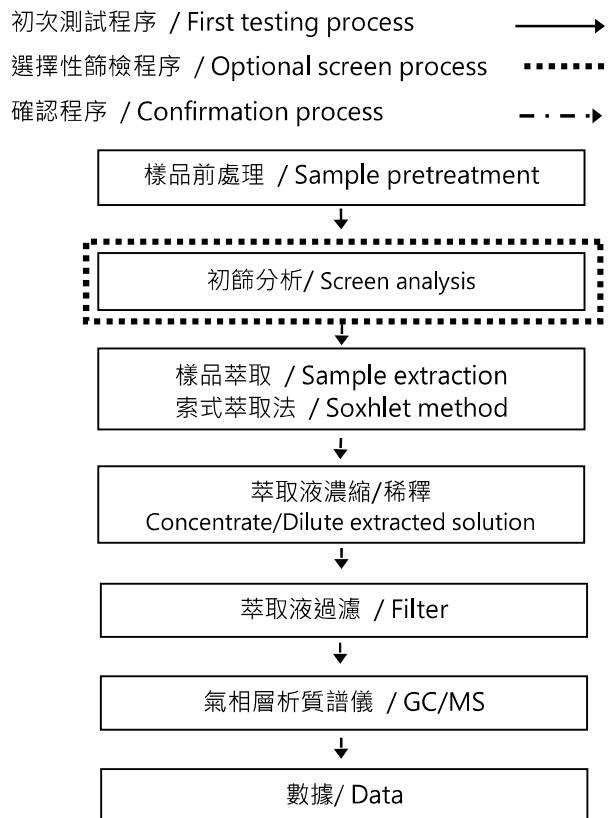
台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

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



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 11 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

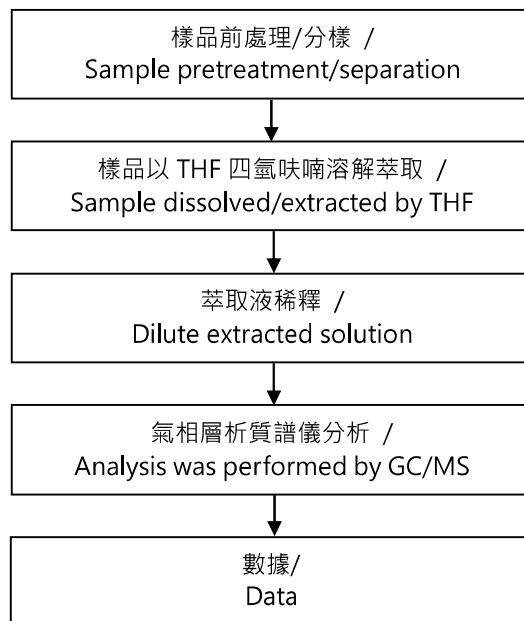
新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

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

【測試方法/Test method: IEC 62321-8】



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 12 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

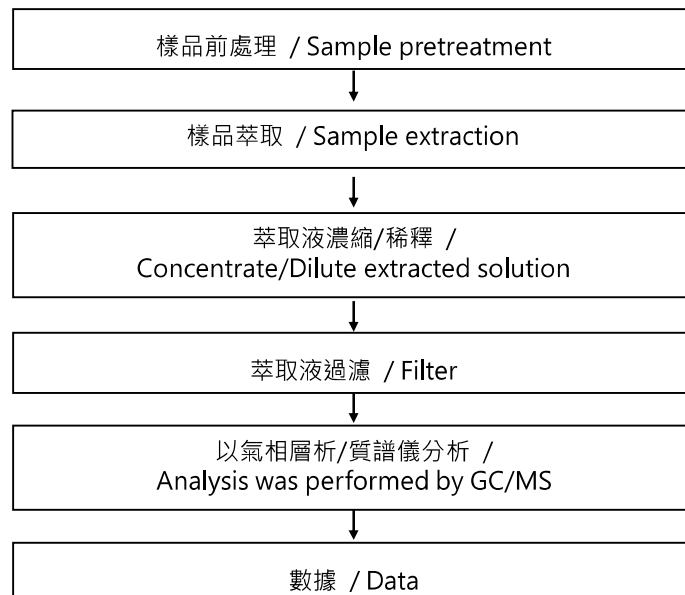
台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

六溴環十二烷分析流程圖 / Analytical flow chart - HBCDD



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 13 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

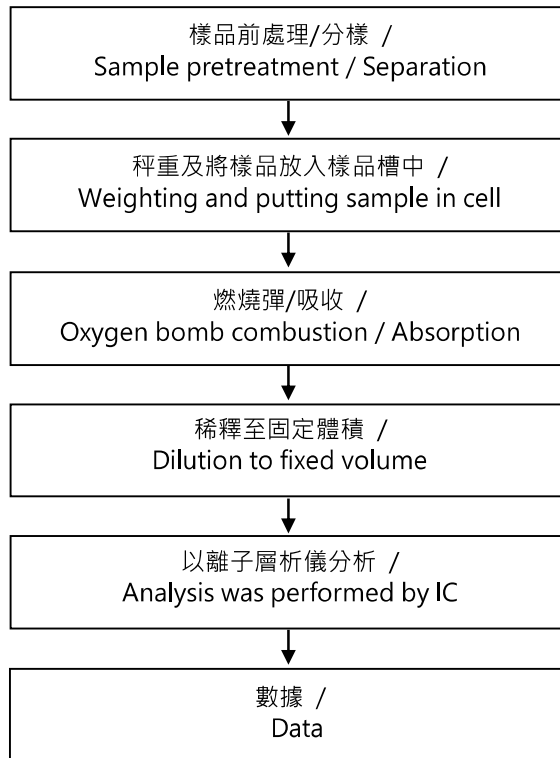
台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

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



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 14 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

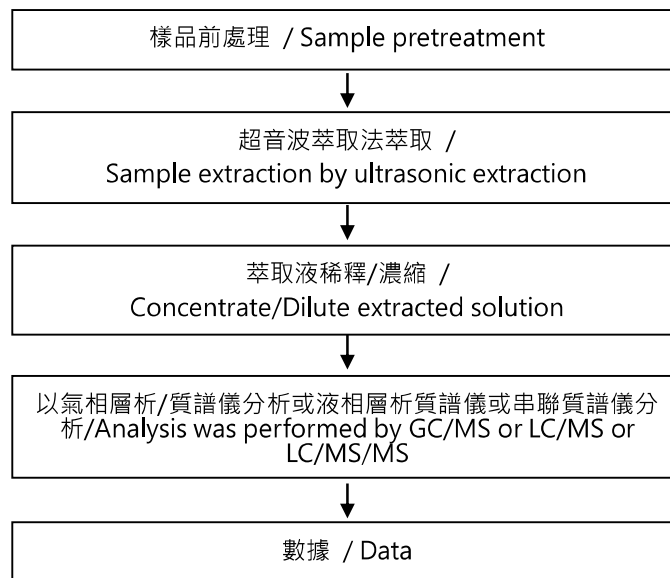
台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

全氟化合物(包含全氟辛酸/全氟辛烷磺酸/其相關化合物等等)分析流程圖 / Analytical flow chart – PFAS (including PFOA/PFOS/its related compound, etc.)



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 15 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

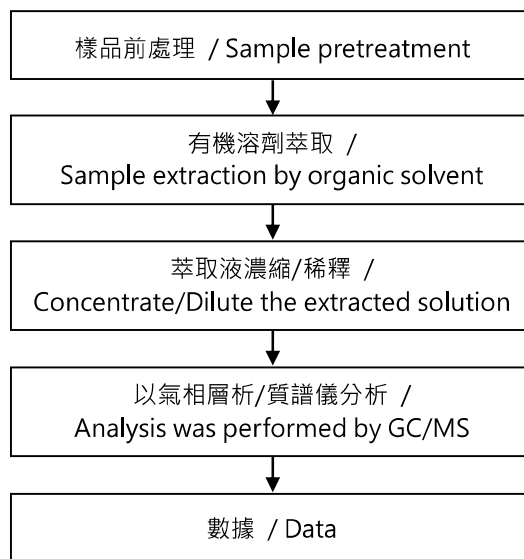
江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

分析流程圖 / Analytical flow chart

【適用於：多氯聯苯、多氯奈、多氯三聯苯、滅蟻靈、氯化石蠟、DBBT】

*Apply to: PCBs, PCNs, PCTs, Mirex, Chlorinated Paraffins, DBBT



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 16 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

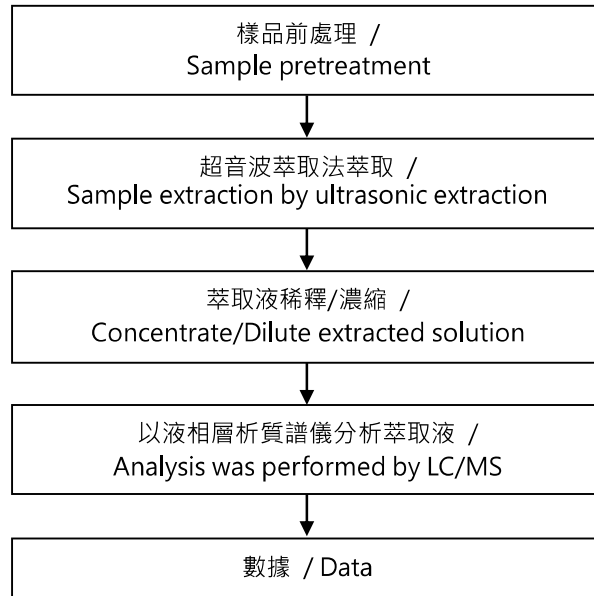
台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

四溴雙酚-A 分析流程圖 / Analytical flow chart - TBBP-A



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 17 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

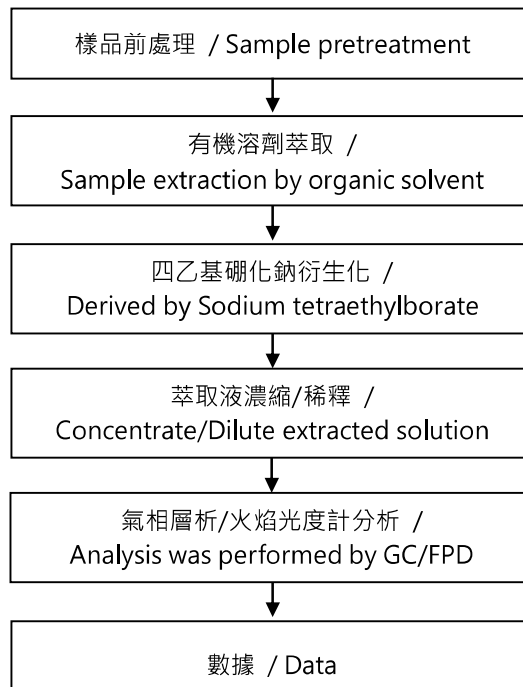
台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

有機錫分析流程圖 / Analytical flow chart - Organic-Tin



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 18 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

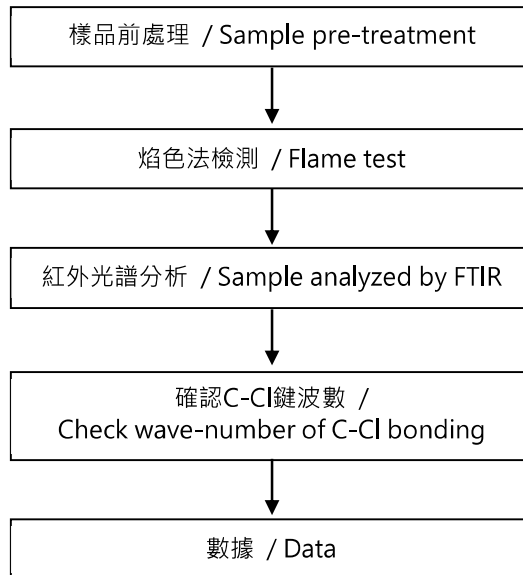
台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

聚氯乙炔物質判定分析流程圖 / Analysis flow chart - PVC



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 19 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

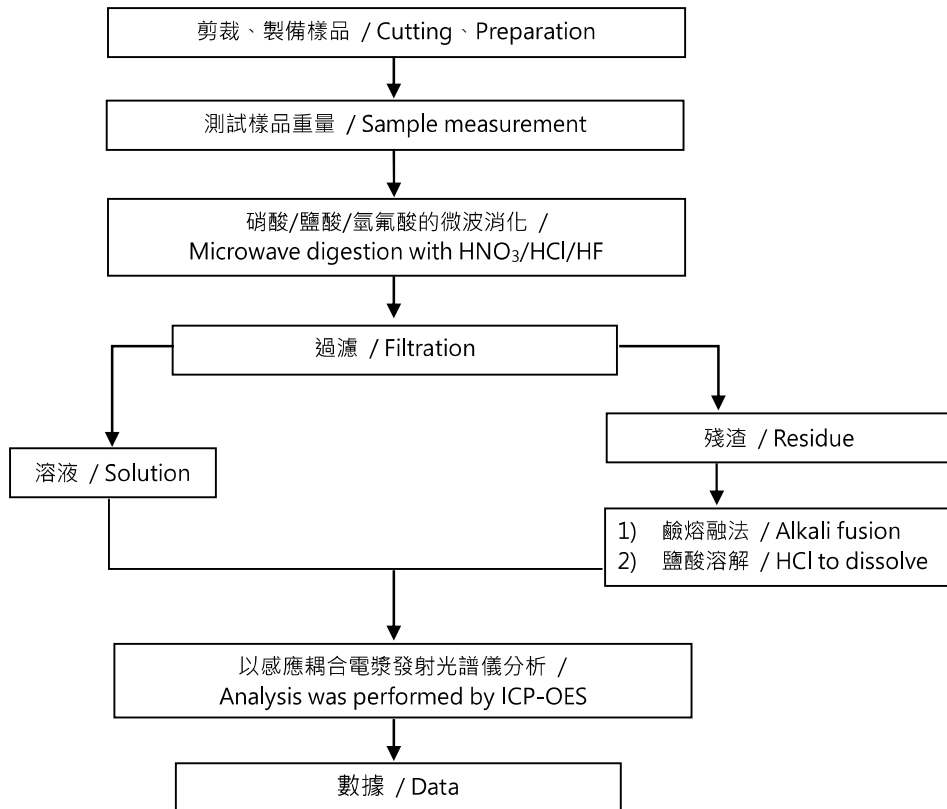
廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

元素(含重金屬)分析流程圖 / Analytical flow chart of elements (Heavy metal included)

根據以下的流程圖之條件，樣品已完全溶解。

These samples were dissolved totally by pre-conditioning method according to below flow chart.

【參考方法/Reference method : US EPA 3051A、US EPA 3052】



* US EPA 3051A 方法未添加氫氟酸 / US EPA 3051A method does not add HF.

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

測試報告

Test Report

號碼(No.): ETR24107519

日期(Date): 07-Feb-2024

頁數(Page): 20 of 20

台耀科技股份有限公司 (TAIWAN UNION TECHNOLOGY CORPORATION)

台耀科技(常熟)有限公司 (TAIWAN UNION TECHNOLOGY (CHANGSHU) CORPORATION)

台耀科技(中山)有限公司 (TAIWAN UNION TECHNOLOGY (ZHONGSHAN) CORPORATION)

新竹縣竹北市博愛街803號 (803, BO-AI ST., ZHUBEI, HSINCHU COUNTY 302045, TAIWAN)

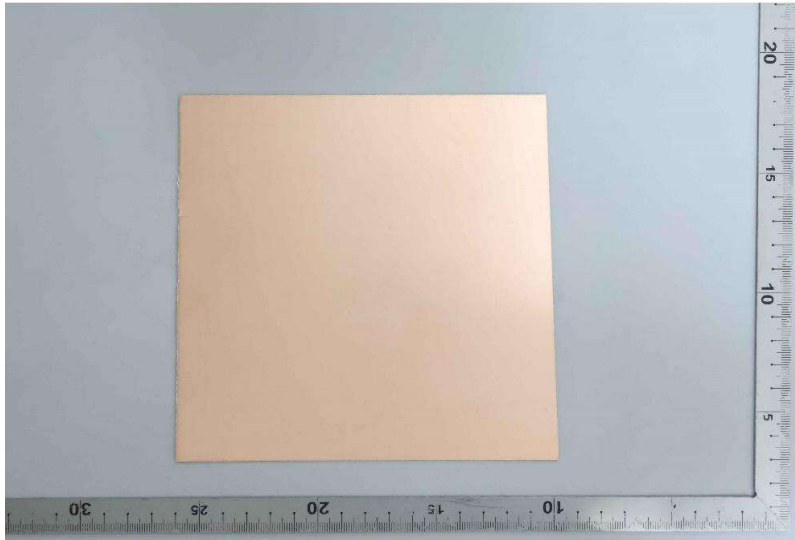
江蘇省常熟高新技術產業開發區東南大道768號 (768 DONGNAN AVE., CHANGSHU, JIANGSU 215500, CHINA)

廣東省中山市火炬開發區沿江東三路39號 (39 YANGJIANG EAST 3RD RD., ZHONGSHAN CITY, GUANGDONG 528437, CHINA)

* 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.)

ETR24107519



** 報告結尾 (End of Report) **

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com.tw/terms-of-service> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <https://www.sgs.com.tw/terms-of-service>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.