



測試報告

Test Report

號碼(No.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 1 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG 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/on behalf of the applicant as) :

送樣廠商(Sample Submitted By) : 林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)
樣品名稱(Sample Name) : DIODES
樣品型號(Style/Item No.) : DO-41,DO-15,DO-201/DO-27,R-6

收件日(Sample Receiving Date) : 22-Jun-2021
測試期間(Testing Period) : 22-Jun-2021 to 01-Jul-2021

測試需求(Test Requested) : 依據客戶要求進行測試，測試項目請參閱測試結果表格。(Testing item(s) is/are specified by client. Please refer to result table for testing item(s).)

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


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



PIN CODE: F8670D74

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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 2 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試部位敘述 (Test Part Description)

No.1 : 整體混測 (DO-15) (MIXED ALL PARTS (DO-15))

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
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.
鉛 (Pb) (Lead (Pb)) (CAS No.: 7439-92-1)	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	7590
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.
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.
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.

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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 3 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				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.
多氯聯苯 (PCBs) (Polychlorinated biphenyls (PCBs))	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	0.5	n.d.
多氯萘 (PCNs) (Polychlorinated naphthalene (PCNs))	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	5	n.d.
多氯三聯苯 (PCTs) (Polychlorinated terphenyls (PCTs))	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	0.5	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: 2015 · 以氣相層析儀/質譜儀分析。(With reference to ISO 18219: 2015, analysis was performed by GC/MS.)	mg/kg	50	n.d.
甲醛 (Formaldehyde) (CAS No.: 50-00-0)	參考ISO 17226-1: 2021 · 以液相層析儀/二極體陣列偵測器分析。(With reference to ISO 17226-1: 2021, analysis was performed by LC/DAD.)	mg/kg	3	n.d.
聚氯乙烯 (Polyvinyl chloride) (PVC)	參考ASTM E1252: 2013 · 以傅立葉轉換紅外線光譜儀及焰色法分析。(With reference to ASTM E1252: 2013, analysis was performed by FT-IR and Flame Test.)	**	-	Negative

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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 4 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
石棉 (Asbestos)				
陽起石綿 (Actinolite) (CAS No.: 77536-66-4)	參考EPA 600/R-93/116: 1993 · 以立體顯微鏡 (SM)與分散染色式偏光顯微鏡(DS-PLM)及X光繞射光譜分析法(XRD)分析。(With reference to EPA 600/R-93/116: 1993, analysis was performed by Stereo Microscope (SM), Dispersion Staining Polarized Light Microscope (DS-PLM) and X-ray Diffraction Spectrometer (XRD).)	%	-	Negative
褐石綿/鐵石綿 (Amosite) (CAS No.: 12172-73-5)		%	-	Negative
斜方角閃石綿 (Anthophyllite) (CAS No.: 77536-67-5)		%	-	Negative
白石綿/溫石綿 (Chrysotile) (CAS No.: 12001-29-5)		%	-	Negative
青石綿 (Crocidolite) (CAS No.: 12001-28-4)		%	-	Negative
透閃石綿 (Tremolite) (CAS No.: 77536-68-6)		%	-	Negative
偶氮染料 (AZO Dyes)				
2,4,5-三甲苯胺 (2,4,5-trimethylaniline) (CAS No.: 137-17-7)	參考EN ISO 14362-1: 2017 · 以氣相層析質譜儀及高效液相層析儀/二極體陣列偵測器分析。(With reference to EN ISO 14362-1: 2017, analysis was performed by GC/MS and HPLC/DAD.)	mg/kg	3	n.d.
2,4-二氨基苯甲醚 (2,4-diaminoanisole) (CAS No.: 615-05-4)		mg/kg	3	n.d.
2,4-甲苯二胺 (2,4-diaminotoluene) (CAS No.: 95-80-7)		mg/kg	3	n.d.
2,4-二甲基苯胺 (2,4-xylidine) (CAS No.: 95-68-1)		mg/kg	3	n.d.
2,6-二甲基苯胺 (2,6-xylidine) (CAS No.: 87-62-7)		mg/kg	3	n.d.
2-萘胺 (2-naphthylamine) (CAS No.: 91-59-8)		mg/kg	3	n.d.
3,3'-二氯聯苯胺 (3,3'-dichlorobenzidine) (CAS No.: 91-94-1)		mg/kg	3	n.d.
3,3'-二甲氧基聯苯胺 (3,3'-dimethoxybenzidine) (CAS No.: 119-90-4)		mg/kg	3	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 5 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
3,3'-二甲基聯苯胺 (3,3'-dimethylbenzidine) (CAS No.: 119-93-7)	參考EN ISO 14362-1: 2017，以氣相層析質譜儀及 高效液相層析儀/二極體陣列偵測器分析。(With reference to EN ISO 14362-1: 2017, analysis was performed by GC/MS and HPLC/DAD.)	mg/kg	3	n.d.
4,4'-二胺基二苯甲烷 (4,4'- diaminodiphenylmethane (MDA)) (CAS No.: 101-77-9)		mg/kg	3	n.d.
3,3'-二甲基-4,4'-二胺基二苯甲烷 (3,3'- dimethyl-4,4'-diaminodiphenylmethane) (CAS No.: 838-88-0)		mg/kg	3	n.d.
4,4'-二胺基二苯醚 (4,4'-oxydianiline) (CAS No.: 101-80-4)		mg/kg	3	n.d.
4,4'-硫二苯胺 (4,4'-thiodianiline) (CAS No.: 139-65-1)		mg/kg	3	n.d.
4-苯基偶氮基苯胺 (4-aminoazobenzene) (CAS No.: 60-09-3)	參考EN ISO 14362-1: 2017 or/and EN ISO 14362- 3: 2017，以氣相層析質譜儀及高效液相層析儀/二極 體陣列偵測器分析。(With reference to EN ISO 14362-1: 2017 or/and EN ISO 14362-3: 2017, analysis was performed by GC/MS & HPLC/DAD.)	mg/kg	3	n.d.
4-氨基二苯 (4-aminodiphenyl) (CAS No.: 92-67-1)	參考EN ISO 14362-1: 2017，以氣相層析質譜儀及 高效液相層析儀/二極體陣列偵測器分析。(With reference to EN ISO 14362-1: 2017, analysis was performed by GC/MS and HPLC/DAD.)	mg/kg	3	n.d.
4-氯苯胺 (4-chloroaniline) (CAS No.: 106-47-8)		mg/kg	3	n.d.
4-氯鄰甲苯胺 (4-chloro-o-toluidine) (CAS No.: 95-69-2)		mg/kg	3	n.d.
2-甲氧基-5-甲基苯胺 (2-methoxy-5- methylaniline) (CAS No.: 120-71-8)		mg/kg	3	n.d.
2-胺基-4-硝基甲苯 (5-nitro-o-toluidine) (CAS No.: 99-55-8)		mg/kg	3	n.d.
4,4'-亞甲雙(2-氯苯胺) (4,4'-methylene-bis- (2-chloroaniline)) (CAS No.: 101-14-4)		mg/kg	3	n.d.
鄰-胺基偶氮甲苯 (o-aminoazotoluene) (CAS No.: 97-56-3)		mg/kg	3	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 6 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
鄰-甲氧基苯胺 (o-anisidine) (CAS No.: 90-04-0)	參考EN ISO 14362-1: 2017 · 以氣相層析質譜儀及高效液相層析儀/二極體陣列偵測器分析。(With reference to EN ISO 14362-1: 2017, analysis was performed by GC/MS and HPLC/DAD.)	mg/kg	3	n.d.
鄰-甲苯胺 (o-toluidine) (CAS No.: 95-53-4)		mg/kg	3	n.d.
聯苯胺 (Benzidine) (CAS No.: 92-87-5)		mg/kg	3	n.d.
鈹 (Be) (Beryllium (Be)) (CAS No.: 7440-41-7)	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.
氧化鈹 (BeO) (Beryllium oxide (BeO)) (CAS No.: 1304-56-9)	由鈹結果計算得之。(Calculated from the result of Beryllium.)	mg/kg	2▲	n.d.
二氯化鈷 (CoCl ₂) (Cobalt dichloride (CoCl ₂)) (CAS No.: 7646-79-9)	以感應耦合電漿發射光譜儀 · 離子層析儀分析；由氯、鈷的結果計算得之。(Analysis was performed by ICP-OES, IC. Calculated from the results of Cobalt, Chlorine.)	mg/kg	50▲	n.d.
鈷 (Co) (Cobalt (Co)) (CAS No.: 7440-48-4)	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.
富馬酸二甲酯 (DMFu) (Dimethyl fumarate (DMFu)) (CAS No.: 624-49-7)	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	0.1	n.d.
磷酸三(2-氯乙基)酯 (TCEP) (Tris(2-chloroethyl) phosphate (TCEP)) (CAS No.: 115-96-8)	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	5	n.d.
磷酸三(1-氯-2-丙基)酯 (TCPP) (Tris(1-chloro-2-propyl) phosphate (TCPP)) (CAS No.: 13674-84-5)	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	5	n.d.
磷酸三(1,3-二氯異丙基)酯 (Tris(1,3-dichloro-2-propyl) phosphate) (CAS No.: 13674-87-8)	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	5	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 7 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
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: 2008 · 以氣相層析儀/質譜儀分析。(With reference to IEC 62321: 2008, analysis was performed by GC/MS.)	mg/kg	5	n.d.
過氯酸鹽 (Perchlorate) (CAS No.: 14797-73-0)	以離子層析儀分析。(Analysis was performed by IC.)	µg/g	0.006	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 (TPhT) (Triphenyl tin (TPhT))		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.
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (Di-(2-ethylhexyl) phthalate (DEHP)) (CAS No.: 117-81-7)	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.
鄰苯二甲酸二丁酯 (DBP) (Dibutyl phthalate (DBP)) (CAS No.: 84-74-2)	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.
鄰苯二甲酸二異壬酯 (DINP) (Diisononyl phthalate (DINP)) (CAS No.: 28553-12-0, 68515-48-0)	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.
鄰苯二甲酸二異癸酯 (DIDP) (Diisodecyl phthalate (DIDP)) (CAS No.: 26761-40-0, 68515-49-1)	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.

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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 8 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
鄰苯二甲酸二正辛酯 (DNOP) (Di-n-octyl phthalate (DNOP)) (CAS No.: 117-84-0)	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.
鄰苯二甲酸二異丁酯 (DIBP) (Diisobutyl phthalate (DIBP)) (CAS No.: 84-69-5)	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.
鄰苯二甲酸二正己酯 (DNHP) (Di-n-hexyl phthalate (DNHP)) (CAS No.: 84-75-3)	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.
氟氯碳化物 (Chlorofluorocarbons) (CFCs)				
CFC-13 (CAS No.: 75-72-9)	參考US EPA 5021A: 2014 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
CFC-111 (CAS No.: 354-56-3)		mg/kg	1	n.d.
CFC-112 (CAS No.: 76-12-0)		mg/kg	1	n.d.
CFC-211 (CAS No.: 422-78-6)		mg/kg	1	n.d.
CFC-212 (CAS No.: 3182-26-1)		mg/kg	1	n.d.
CFC-213 (CAS No.: 2354-06-5)		mg/kg	1	n.d.
CFC-214 (CAS No.: 29255-31-0)		mg/kg	1	n.d.
CFC-215 (CAS No.: 4259-43-2)		mg/kg	1	n.d.
CFC-216 (CAS No.: 661-97-2)		mg/kg	1	n.d.
CFC-217 (CAS No.: 422-86-6)		mg/kg	1	n.d.
CFC-12 (CAS No.: 75-71-8)		mg/kg	1	n.d.
CFC-11 (CAS No.: 75-69-4)		mg/kg	1	n.d.
CFC-115 (CAS No.: 76-15-3)		mg/kg	1	n.d.
CFC-114 (CAS No.: 76-14-2)		mg/kg	1	n.d.
CFC-113 (CAS No.: 76-13-1)		mg/kg	1	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 9 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
氟氯氫烷碳化合物 (Hydrochlorofluorocarbons) (HCFCs)				
HCFC-21 (CAS No.: 75-43-4)	參考US EPA 5021A: 2014 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
HCFC-22 (CAS No.: 75-45-6)		mg/kg	1	n.d.
HCFC-31 (CAS No.: 593-70-4)		mg/kg	1	n.d.
HCFC-121 (CAS No.: 354-14-3)		mg/kg	1	n.d.
HCFC-122 (CAS No.: 354-21-2)		mg/kg	1	n.d.
HCFC-123 (CAS No.: 306-83-2)		mg/kg	1	n.d.
HCFC-124 (CAS No.: 2837-89-0)		mg/kg	1	n.d.
HCFC-131 (CAS No.: 359-28-4)		mg/kg	1	n.d.
HCFC-132b (CAS No.: 1649-08-7)		mg/kg	1	n.d.
HCFC-133a (CAS No.: 75-88-7)		mg/kg	1	n.d.
HCFC-142b (CAS No.: 75-68-3)		mg/kg	1	n.d.
HCFC-221 (CAS No.: 422-26-4)		mg/kg	1	n.d.
HCFC-222 (CAS No.: 422-49-1)		mg/kg	1	n.d.
HCFC-223 (CAS No.: 422-52-6)		mg/kg	1	n.d.
HCFC-224 (CAS No.: 422-54-8)		mg/kg	1	n.d.
HCFC-225ca (CAS No.: 422-56-0)		mg/kg	1	n.d.
HCFC-225cb (CAS No.: 507-55-1)		mg/kg	1	n.d.
HCFC-226 (CAS No.: 431-87-8)		mg/kg	1	n.d.
HCFC-231 (CAS No.: 421-94-3)		mg/kg	1	n.d.
HCFC-232 (CAS No.: 460-89-9)		mg/kg	1	n.d.
HCFC-233 (CAS No.: 7125-84-0)		mg/kg	1	n.d.
HCFC-234 (CAS No.: 425-94-5)		mg/kg	1	n.d.
HCFC-235 (CAS No.: 460-92-4)		mg/kg	1	n.d.
HCFC-241 (CAS No.: 666-27-3)		mg/kg	1	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 10 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
HCFC-242 (CAS No.: 460-63-9)	參考US EPA 5021A: 2014，以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
HCFC-244		mg/kg	1	n.d.
HCFC-251 (CAS No.: 421-41-0)		mg/kg	1	n.d.
HCFC-252 (CAS No.: 819-00-1)		mg/kg	1	n.d.
HCFC-261 (CAS No.: 420-97-3)		mg/kg	1	n.d.
HCFC-262 (CAS No.: 421-02-03)		mg/kg	1	n.d.
HCFC-271 (CAS No.: 430-55-7)		mg/kg	1	n.d.
HCFC-141b (CAS No.: 1717-00-6)		mg/kg	1	n.d.
HCFC-243 (CAS No.: 460-69-5)		mg/kg	1	n.d.
HCFC-253 (CAS No.: 460-35-5)		mg/kg	1	n.d.
海龍 (Halons)				
Halon-1211 (CAS No.: 353-59-3)	參考US EPA 5021A: 2014，以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
Halon-1301 (CAS No.: 75-63-8)		mg/kg	1	n.d.
Halon-2402 (CAS No.: 124-73-2)		mg/kg	1	n.d.
溴甲烷 (Bromomethane) (CAS No.: 74-83-9)	參考US EPA 5021A: 2014，以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
不完全鹵化氟溴化物 (Hydrobromofluorocarbons) (HBFCs)				
HBFC-271B1 (C3H6FBr)	參考US EPA 5021A: 2014，以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
HBFC-262B1 (C3H5F2Br)		mg/kg	1	n.d.
HBFC-261B2 (C3H5FBr2)		mg/kg	1	n.d.
HBFC-253B1 (C3H4F3Br)		mg/kg	1	n.d.
HBFC-252B2 (C3H4F2Br2)		mg/kg	1	n.d.
HBFC-251B3 (C3H4FBr3)		mg/kg	1	n.d.
HBFC-244B1 (C3H3F4Br)		mg/kg	1	n.d.
HBFC-243B2 (C3H3F3Br2)		mg/kg	1	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 11 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
HBFC-242B3 (C3H3F2Br3)	參考US EPA 5021A: 2014 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
HBFC-241B4 (C3H3FBr4)		mg/kg	1	n.d.
HBFC-235B1 (C3H2F5Br)		mg/kg	1	n.d.
HBFC-234B2 (C3H2F4Br2)		mg/kg	1	n.d.
HBFC-233B3 (C3H2F3Br3)		mg/kg	1	n.d.
HBFC-232B4 (C3H2F2Br4)		mg/kg	1	n.d.
HBFC-231B5 (C3H2FBr5)		mg/kg	1	n.d.
HBFC-226B1 (C3HF6Br)		mg/kg	1	n.d.
HBFC-225B2 (C3HF5Br2)		mg/kg	1	n.d.
HBFC-224B3 (C3HF4Br3)		mg/kg	1	n.d.
HBFC-223B4 (C3HF3Br4)		mg/kg	1	n.d.
HBFC-222B5 (C3HF2Br5)		mg/kg	1	n.d.
HBFC-221B6 (C3HFBr6)		mg/kg	1	n.d.
HBFC-151B1 (C2H4FBr)		mg/kg	1	n.d.
HBFC-142B1 (C2H3F2Br)		mg/kg	1	n.d.
HBFC-141B2 (C2H3FBr2)		mg/kg	1	n.d.
HBFC-133B1 (C2H2F3Br)		mg/kg	1	n.d.
HBFC-132B2 (C2H2F2Br2)		mg/kg	1	n.d.
HBFC-131B3 (C2H2FBr3)		mg/kg	1	n.d.
HBFC-124B1 (C2HF4Br)		mg/kg	1	n.d.
HBFC-123B2 (C2HF3Br2)		mg/kg	1	n.d.
HBFC-122B3 (C2HF2Br3)		mg/kg	1	n.d.
HBFC-121B4 (C2HFBr4)		mg/kg	1	n.d.
HBFC-31B1 (CH2FBr) (CAS No.: 373-52-4)		mg/kg	1	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 12 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
HBFC-22B1 (CHF ₂ Br) (CAS No.: 1511-62-2)	參考US EPA 5021A: 2014 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
HBFC-21B2 (CHFBr ₂) (CAS No.: 1868-53-7)		mg/kg	1	n.d.
氯碳氫化合物 (Chlorinate hydrocarbon) (CHCs)				
1,1-二氯丙烯 (1,1-Dichloropropene) (CAS No.: 563-58-6)	參考US EPA 5021A: 2014 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
1,2-二氯乙烷 (1,2-Dichloroethane) (CAS No.: 107-06-2)		mg/kg	1	n.d.
2,2-二氯丙烷 (2,2-Dichloropropane) (CAS No.: 594-20-7)		mg/kg	1	n.d.
四氯甲烷 (四氯化碳) (Carbon tetrachloride) (CAS No.: 56-23-5)		mg/kg	1	n.d.
氯甲烷 (Chloromethane) (CAS No.: 74-87-3)		mg/kg	1	n.d.
順-1,2-二氯乙烯 (cis-1,2-Dichloroethene) (CAS No.: 156-59-2)		mg/kg	1	n.d.
順-1,3-二氯丙烯 (cis-1,3-Dichloropropene) (CAS No.: 10061-01-5)		mg/kg	1	n.d.
六氯丁二烯 (Hexachlorobutadiene) (CAS No.: 87-68-3)		mg/kg	1	n.d.
反-1,2-二氯乙烯 (trans-1,2-Dichloroethene) (CAS No.: 156-60-5)		mg/kg	1	n.d.
反-1,3-二氯丙烯 (trans-1,3-Dichloropropene) (CAS No.: 10061-02-6)		mg/kg	1	n.d.
二氯甲烷 (Dichloromethane, Methylene chloride) (CAS No.: 75-09-2)		mg/kg	1	n.d.
1,2,3-三氯丙烷 (1,2,3-Trichloropropane) (CAS No.: 96-18-4)		mg/kg	1	n.d.
氯仿 (Chloroform) (CAS No.: 67-66-3)		mg/kg	1	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 13 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
1,2-二氯丙烷 (1,2-Dichloropropane) (CAS No.: 78-87-5)	參考US EPA 5021A: 2014 · 以氣相層析儀/質譜儀 分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
1,1,1,2-四氯乙烷 (1,1,1,2-Tetrachloroethane) (CAS No.: 630-20-6)		mg/kg	1	n.d.
1,1,1-三氯乙烷 (1,1,1-Trichloroethane) (CAS No.: 71-55-6)		mg/kg	1	n.d.
1,1,2-三氯乙烷 (1,1,2-Trichloroethane) (CAS No.: 79-00-5)		mg/kg	1	n.d.
1,1,2,2-四氯乙烷 (1,1,2,2-Tetrachloroethane) (CAS No.: 79-34-5)		mg/kg	1	n.d.
1,1-二氯乙烯 (1,1-Dichloroethylene) (CAS No.: 75-35-4)		mg/kg	1	n.d.
1,1-二氯乙烷 (1,1-Dichloroethane) (CAS No.: 75-34-3)		mg/kg	1	n.d.
氯乙烷 (Chloroethane) (CAS No.: 75-00- 3)		mg/kg	1	n.d.
四氯乙烯 (Tetrachloroethene) (CAS No.: 127-18-4)		mg/kg	1	n.d.
三氯乙烯 (Trichloroethylene) (CAS No.: 79-01-6)		mg/kg	1	n.d.
1,3-二氯丙烷 (1,3-Dichloropropane) (CAS No.: 142-28-9)		mg/kg	1	n.d.
氫氟碳化合物 (Hydrofluorocarbon) (HFCs)	參考US EPA 5021A: 2014 · 以氣相層析儀/質譜儀 分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)			
HFC-23 (CHF ₃) (CAS No.: 75-46-7)		mg/kg	1	n.d.
HFC-32 (CH ₂ F ₂) (CAS No.: 75-10-5)		mg/kg	1	n.d.
HFC-41 (CH ₃ F) (CAS No.: 593-53-3)		mg/kg	1	n.d.
HFC-43-10mee (C ₅ H ₂ F ₁₀)		mg/kg	1	n.d.
HFC-125 (C ₂ H ₅ F)		mg/kg	1	n.d.
HFC-134 (C ₂ H ₂ F ₄)		mg/kg	1	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 14 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
HFC-134a (CH ₂ FCF ₃) (CAS No.: 811-97-2)	參考US EPA 5021A: 2014 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
HFC-143 (CH ₃ F ₃)		mg/kg	1	n.d.
HFC-143a (CH ₃ F ₃)		mg/kg	1	n.d.
HFC-152a (C ₂ H ₄ F ₂) (CAS No.: 75-37-6)		mg/kg	1	n.d.
HFC-227ea (C ₃ HF ₇) (CAS No.: 431-89-0)		mg/kg	1	n.d.
HFC-236fa (CAS No.: 431-63-0)		mg/kg	1	n.d.
HFC-245ca (C ₃ H ₃ F ₅)		mg/kg	1	n.d.
HFC-245fa (C ₃ H ₃ F ₅)		mg/kg	1	n.d.
HFC-365mfc (C ₄ H ₅ F ₅)		mg/kg	1	n.d.
HFC-236ea (C ₃ H ₂ F ₆) (CAS No.: 431-63-0)		mg/kg	1	n.d.
全氟化碳 (Perfluorocarbon) (PFCs)				
1,4-二氫八氟丁烷 (1,4-dihydrooctafluorobutane) (CAS No.: 377-36-6)	參考US EPA 5021A: 2014 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
2-全氟甲基戊烷 (2-Perfluoromethylpentane) (CAS No.: 355-04-4)		mg/kg	1	n.d.
十氟丁烷 (Decafluorobutane) (CAS No.: 355-25-9)		mg/kg	1	n.d.
四氟甲烷 (F14) (CAS No.: 75-73-0)		mg/kg	1	n.d.
六氟乙烷 (Fluorocarbon 116) (CAS No.: 76-16-4)		mg/kg	1	n.d.
八氟丙烷 (Freon 218) (CAS No.: 76-19-7)		mg/kg	1	n.d.
八氟環丁烷 (Freon C318) (CAS No.: 115-25-3)		mg/kg	1	n.d.
2-全氟甲基丁烷 (Nonafluor-2-(trifluoromethyl)butane) (CAS No.: 594-91-2)		mg/kg	1	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 15 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
全氟異丁烯 (Perfluorisobutene) (CAS No.: 382-21-8)	參考US EPA 5021A: 2014 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 5021A: 2014, analysis was performed by GC/MS.)	mg/kg	1	n.d.
全氟己烷 (Perfluorohexane) (CAS No.: 355-42-0)		mg/kg	1	n.d.
全氟戊烷 (Perfluoro-n-pentane) (CAS No.: 678-26-2)		mg/kg	1	n.d.
全氟-1-丁烯 (Perfluor-1-butene) (CAS No.: 357-26-6)		mg/kg	1	n.d.
六氟化硫 (Sulfur hexafluoride) (CAS No.: 2551-62-4)		mg/kg	1	n.d.
2-[2-羥基-3',5'-二-叔-丁基苯基]-苯並三唑(紫外線吸收劑320) (2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)) (CAS No.: 3846-71-7)	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	5	n.d.
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	n.d.
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.
釋出鎳 (Nickel-release)	參考EN 1811: 2011+ A1: 2015 · 以感應耦合電漿發射光譜儀分析。(With reference to EN 1811: 2011+ A1: 2015, analysis was performed by ICP-OES.)	μg/cm ² /week	0.1	n.d.
			0.1	n.d.
			0.1	n.d.
放射性物質 (Radioactive substances)	蓋革計數器。(Geiger counter.)	μSv/hour	-	Negative*
砷 (Arsenic) (As) (※ E)	參考RSTS-EE-SVHC-007 · 以感應耦合電漿發射光譜儀分析。(With reference to RSTS-EE-SVHC-007, analysis was performed by ICP-OES.)	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 16 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
五氧化二砷 (As_2O_5) (Diarsenic pentaoxide (As_2O_5)) (CAS No.: 1303-28-2)	由砷結果計算得之。(Calculated from the result of Arsenic.)	mg/kg	50▲	n.d.
三氧化二砷 (As_2O_3) (Diarsenic trioxide (As_2O_3)) (CAS No.: 1327-53-3)	由砷結果計算得之。(Calculated from the result of Arsenic.)	mg/kg	50▲	n.d.
多環芳香烴 (Polycyclic Aromatic Hydrocarbons) (PAHs)				
苯駢(a)芘 (Benzo[a]pyrene) (CAS No.: 50-32-8)	參考AfPS GS 2019:01 PAK，以氣相層析儀/質譜儀分析。(With reference to AfPS GS 2019:01 PAK, analysis was performed by GC/MS.)	mg/kg	0.2	n.d.
苯駢(e)芘 (Benzo[e]pyrene) (CAS No.: 192-97-2)		mg/kg	0.2	n.d.
苯駢蒽 (Benzo[a]anthracene) (CAS No.: 56-55-3)		mg/kg	0.2	n.d.
苯(b)苯駢芴 (Benzo[b]fluoranthene) (CAS No.: 205-99-2)		mg/kg	0.2	n.d.
苯(j)苯駢芴 (Benzo[j]fluoranthene) (CAS No.: 205-82-3)		mg/kg	0.2	n.d.
苯(k)苯駢芴 (Benzo[k]fluoranthene) (CAS No.: 207-08-9)		mg/kg	0.2	n.d.
蒽 (Chrysene) (CAS No.: 218-01-9)		mg/kg	0.2	n.d.
二苯駢蒽 (Dibenzo[a,h]anthracene) (CAS No.: 53-70-3)		mg/kg	0.2	n.d.
苯駢芘 (Benzo[g,h,i]perylene) (CAS No.: 191-24-2)		mg/kg	0.2	n.d.
茚酮芘 (Indeno[1,2,3-c,d]pyrene) (CAS No.: 193-39-5)		mg/kg	0.2	n.d.
蒽 (Anthracene) (CAS No.: 120-12-7)		mg/kg	0.2	n.d.
苯駢芴 (Fluoranthene) (CAS No.: 206-44-0)		mg/kg	0.2	n.d.
菲 (Phenanthrene) (CAS No.: 85-01-8)		mg/kg	0.2	n.d.
芘 (Pyrene) (CAS No.: 129-00-0)		mg/kg	0.2	n.d.
萘 (Naphthalene) (CAS No.: 91-20-3)		mg/kg	0.2	n.d.
多環芳香烴15項總和 (Sum of 15 PAHs)		mg/kg	-	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 17 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
雙酚A (Bisphenol A) (CAS No.: 80-05-7)	參考RSTS-CHEM-239-1 · 以液相層析串聯質譜儀分析。(With reference to RSTS-CHEM-239-1, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
德克隆(涵蓋各個反式及順式同分異構物或者相關組合) (1,6,7,8,9,14,15,16,17, 17,18,18-Dodecachloropentacyclo [12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus" TM) [covering any of its individual anti- and syn-isomers or any combination thereof])	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	100	n.d.
全氟丁酸 (PFBA) (Perfluorobutane Acid (PFBA)) (CAS No.: 375-22-4)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟戊酸 (PFPA) (Perfluoropentane Acid (PFPA)) (CAS No.: 2706-90-3)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟己酸 (PFHxA) (Perfluorohexane Acid (PFHxA)) (CAS No.: 307-24-4)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
7H-十二氟庚酸 (HPFHpA) (7H-Dodecanefluoroheptane Acid (HPFHpA)) (CAS No.: 1546-95-8)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟丁磺酸 (PFBS) (Perfluorobutane Sulfonate (PFBS)) (CAS No.: 375-73-5)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟丁基磺酸鉀 (PFBS-K) (Perfluorobutane Sulfonate K-salt (PFBS-K)) (CAS No.: 29420-49-3)	由全氟丁磺酸測試結果計算得之。(Calculated from the result of Perfluorobutane Sulfonate (PFBS).)	mg/kg	1▲	n.d.
全氟庚酸 (PFHpA) (Perfluoroheptane Acid (PFHpA)) (CAS No.: 375-85-9)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 18 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
1H,1H,2H,2H-全氟辛磺酸 (H4PFOS 6:2) (1H,1H,2H,2H-Perfluorooctanesulphonic Acid (H4PFOS 6:2)) (CAS No.: 27619-97-2)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟辛酸及其鹽類 (PFOA and its salts) (CAS No.: 335-67-1 and its salts)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.
全氟辛酸銨 (APFO) (Ammonium pentadecafluorooctanoate (APFO)) (CAS No.: 3825-26-1)	由全氟辛酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOA and its salts.)	mg/kg	0.01▲	n.d.
全氟辛酸鈉 (PFOA-Na) (Sodium perfluorooctanoate (PFOA-Na)) (CAS No.: 335-95-5)	由全氟辛酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOA and its salts.)	mg/kg	0.01▲	n.d.
全氟辛酸鉀 (PFOA-K) (Potassium perfluorooctanoate (PFOA-K)) (CAS No.: 2395-00-8)	由全氟辛酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOA and its salts.)	mg/kg	0.01▲	n.d.
全氟辛酸銀 (PFOA-Ag) (Silver perfluorooctanote (PFOA-Ag)) (CAS No.: 335-93-3)	由全氟辛酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOA and its salts.)	mg/kg	0.01▲	n.d.
全氟辛氟 (PFOA-F) (Perfluorooctanoyl fluoride (PFOA-F)) (CAS No.: 335-66-0)	由全氟辛酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOA and its salts.)	mg/kg	0.01▲	n.d.
2H,2H-全氟癸酸 (H2PFDA) (2H,2H- Perfluorodecane Acid (H2PFDA)) (CAS No.: 882489-14-7)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟己基磺酸 (PFHxS) (Perfluorohexane sulfonate (PFHxS)) (CAS No.: 355-46-4)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.
全氟己基磺酸鈉 (PFHxS-Na) (Perfluorohexanesulfonate NA-salt (PFHxS-Na)) (CAS No.: 82382-12-5)	由全氟己基磺酸測試結果計算得之。(Calculated from the result of Perfluorohexane sulfonate (PFHxS).)	mg/kg	0.01▲	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 19 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
全氟己基磺酸鉀 (PFHxS-K) (Perfluorohexanesulfonate K-salt (PFHxS-K)) (CAS No.: 3871-99-6)	由全氟己基磺酸測試結果計算得之。(Calculated from the result of Perfluorohexane sulfonate (PFHxS).)	mg/kg	0.01▲	n.d.
全氟壬酸 (PFNA) (Perfluorononane Acid (PFNA)) (CAS No.: 375-95-1)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟壬酸鈉 (PFNA-Na) (Perfluorononanoate Na-Salt (PFNA-Na)) (CAS No.: 21049-39-8)	由全氟壬酸測試結果計算得之。(Calculated from the result of Perfluorononane Acid (PFNA).)	mg/kg	1▲	n.d.
全氟壬酸銨 (APFN) (Perfluorononanoate ammonium salt (APFN)) (CAS No.: 4149-60-4)	由全氟壬酸測試結果計算得之。(Calculated from the result of Perfluorononane Acid (PFNA).)	mg/kg	1▲	n.d.
全氟-3,7-二甲基辛酸 (PF-3,7-DMOA) (Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)) (CAS No.: 172155-07-6)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟庚基磺酸 (PFHpS) (Perfluoroheptane Sulfonate (PFHpS)) (CAS No.: 375-92-8)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟庚基磺酸鈉 (PFHpS-Na) (Perfluoroheptanesulfonate Na-salt (PFHpS-Na)) (CAS No.: 68555-66-8)	由全氟庚基磺酸測試結果計算得之。(Calculated from the result of Perfluoroheptane Sulfonate (PFHpS).)	mg/kg	1▲	n.d.
全氟癸酸 (PFDA) (Perfluorodecane Acid (PFDA)) (CAS No.: 335-76-2)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟癸酸鈉 (PFDA-Na) (Perfluorodecanoate Na-salt (PFDA-Na)) (CAS No.: 3830-45-3)	由全氟癸酸測試結果計算得之。(Calculated from the result of Perfluorodecane Acid (PFDA).)	mg/kg	1▲	n.d.
全氟癸酸銨 (APFDA) (Perfluorodecanoate ammonium salt (APFDA)) (CAS No.: 3108-42-7)	由全氟癸酸測試結果計算得之。(Calculated from the result of Perfluorodecane Acid (PFDA).)	mg/kg	1▲	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 20 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
2H,2H,3H,3H-全氟癸酸(4HPFUnA) (2H,2H,3H,3H-Perfluoroundecanoic Acid (4HPFUnA)) (CAS No.: 34598-33-9)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	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CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.
全氟辛基磺醯胺 (PFOSA) (Perfluorooctanesulfonamide (PFOSA)) (CAS No.: 754-91-6)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.
N-甲基全氟正辛磺醯胺 (N-Me-FOSA) (N- Methyl-Perfluorooctanesulfonamide (N-Me- FOSA)) (CAS No.: 31506-32-8)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.
N-乙基全氟正辛磺醯胺 (EtFOSA) (N- ethylperfluoro-1-octanesulfonamide (EtFOSA)) (CAS No.: 4151-50-2)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.
N-甲基全氟辛基磺醯胺乙醇 (N-Me-FOSE alcohol) (N-Methyl- Perfluorooctanesulfonamidoethanol (N-Me- FOSE alcohol)) (CAS No.: 24448-09-7)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.
N-乙基全氟辛基磺醯胺乙醇 (N-Et-FOSE alcohol) (N-Ethyl- Perfluorooctanesulfonamidoethanol (N-Et- FOSE alcohol)) (CAS No.: 1691-99-2)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.
全氟辛基磺醯氟 (POSF) (Perfluorooctane Sulfonyl fluoride (POSF)) (CAS No.: 307- 35-7)	由全氟辛烷磺酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOS and its salts.)	mg/kg	0.01▲	n.d.
全氟辛基磺酸鉀 (PFOS-K) (Potassium Perfluorooctanesulfonate (PFOS-K)) (CAS No.: 2795-39-3)	由全氟辛烷磺酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOS and its salts.)	mg/kg	0.01▲	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 21 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
全氟辛基磺酸銨 (PFOS-NH ₄) (Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)) (CAS No.: 29081-56-9)	由全氟辛烷磺酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOS and its salts.)	mg/kg	0.01▲	n.d.
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)) (CAS No.: 251099-16-8)	由全氟辛烷磺酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOS and its salts.)	mg/kg	0.01▲	n.d.
全氟辛基磺酸二乙醇銨 (PFOS-NH(OH) ₂) (Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) ₂)) (CAS No.: 70225-14-8)	由全氟辛烷磺酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOS and its salts.)	mg/kg	0.01▲	n.d.
全氟辛基磺酸鋰 (PFOS-Li) (Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)) (CAS No.: 29457-72-5)	由全氟辛烷磺酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOS and its salts.)	mg/kg	0.01▲	n.d.
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)) (CAS No.: 56773-42-3)	由全氟辛烷磺酸及其鹽類測試結果計算得之。 (Calculated from the result of PFOS and its salts.)	mg/kg	0.01▲	n.d.
全氟十一烷酸 (PFUnA) (Perfluoroundecanoic Acid (PFUnA)) (CAS No.: 2058-94-8)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟十二烷酸 (PFDoA) (Perfluorododecanoic Acid (PFDoA)) (CAS No.: 307-55-1)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟癸烷磺酸 (PFDS) (Perfluorodecane Sulfonate (PFDS)) (CAS No.: 126105-34-8/ 335-77-3)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟癸烷磺酸鈉 (PFDS-Na) (Perfluorodecanesulfonate Na-salt (PFDS-Na)) (CAS No.: 2806-15-7)	由全氟癸烷磺酸測試結果計算得之。(Calculated from the result of Perfluorodecane Sulfonate (PFDS).)	mg/kg	1▲	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 22 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
全氟癸烷磺酸鉀 (PFDS-K) (Perfluorodecanesulfonate K-salt (PFDS-K)) (CAS No.: 2806-16-8)	由全氟癸烷磺酸測試結果計算得之。(Calculated from the result of Perfluorodecane Sulfonate (PFDS).)	mg/kg	1▲	n.d.
全氟癸基磺酸銨 (PFDS-NH4) (Perfluoroaliphatic Dean-sulfonate salt of NH4 (PFDS-NH4)) (CAS No.: 67906-42-7)	由全氟癸烷磺酸測試結果計算得之。(Calculated from the result of Perfluorodecane Sulfonate (PFDS).)	mg/kg	1▲	n.d.
全氟十三烷酸 (PFTrA) (Perfluorotridecanoic Acid (PFTrA)) (CAS No.: 72629-94-8)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
全氟十四烷酸 (PFTeA) (Perfluorotetradecanoic Acid (PFTeA)) (CAS No.: 376-06-7)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	1	n.d.
1H,1H,2H,2H-全氟癸磺酸 (8:2 FTS) (1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)) (CAS No.: 39108-34-4)	參考CEN/TS 15968: 2010 · 以液相層析串聯質譜 儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by LC/MS/MS.)	mg/kg	0.01	n.d.
全氟辛酸甲酯 (Me-PFOA) (Methyl perfluorooctanoate (Me-PFOA)) (CAS No.: 376-27-2)	參考CEN/TS 15968: 2010 · 以氣相層析儀/質譜儀 分析。(With reference to CEN/TS 15968: 2010, analysis was performed by GC/MS.)	mg/kg	0.1	n.d.
全氟辛酸乙酯 (Et-PFOA) (Ethyl perfluorooctanoate (Et-PFOA)) (CAS No.: 3108-24-5)	參考CEN/TS 15968: 2010 · 以氣相層析儀/質譜儀 分析。(With reference to CEN/TS 15968: 2010, analysis was performed by GC/MS.)	mg/kg	0.1	n.d.
1H,1H,2H,2H-全氟-1-癸醇 (8:2 FTOH) (1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)) (CAS No.: 678-39-7)	參考CEN/TS 15968: 2010 · 以氣相層析儀/質譜儀 分析。(With reference to CEN/TS 15968: 2010, analysis was performed by GC/MS.)	mg/kg	0.1	n.d.
1H,1H,2H,2H-全氟癸基丙烯酸酯 (8:2 FTA) (1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)) (CAS No.: 27905-45-9)	參考CEN/TS 15968: 2010 · 以氣相層析儀/質譜儀 分析。(With reference to CEN/TS 15968: 2010, analysis was performed by GC/MS.)	mg/kg	0.1	n.d.
1H,1H,2H,2H-全氟癸基甲基丙烯酸鹽 (8:2 FTMA) (1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)) (CAS No.: 1996- 88-9)	參考CEN/TS 15968: 2010 · 以氣相層析儀/質譜儀 分析。(With reference to CEN/TS 15968: 2010, analysis was performed by GC/MS.)	mg/kg	0.1	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 23 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
全氟辛基碘烷 (PFOI) (Perfluoro-1-iodooctane (PFOI)) (CAS No.: 507-63-1)	參考CEN/TS 15968: 2010 · 以氣相層析儀/質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by GC/MS.)	mg/kg	0.1	n.d.
1H,1H,2H,2H-全氟-1-己醇 (4:2 FTOH) (1H,1H,2H,2H-Perfluoro-1-hexanol (4:2FTOH)) (CAS No.: 2043-47-2)	參考CEN/TS 15968: 2010 · 以氣相層析儀/質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by GC/MS.)	mg/kg	1	n.d.
1H,1H,2H,2H-全氟-1-辛醇 (6:2 FTOH) (1H,1H,2H,2H-Perfluoro-1-octanol (6:2FTOH)) (CAS No.: 647-42-7)	參考CEN/TS 15968: 2010 · 以氣相層析儀/質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by GC/MS.)	mg/kg	1	n.d.
1H,1H,2H,2H-全氟辛基丙烯酸酯 (6:2 FTA) (1H,1H,2H,2H-Perfluorooctylacrylate (6:2FTA)) (CAS No.: 17527-29-6)	參考CEN/TS 15968: 2010 · 以氣相層析儀/質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by GC/MS.)	mg/kg	1	n.d.
1H,1H,2H,2H-全氟十二烷基丙烯酸酯 (10:2 FTA) (1H,1H,2H,2H-Perfluorododecylacrylate (10:2FTA)) (CAS No.: 17741-60-5)	參考CEN/TS 15968: 2010 · 以氣相層析儀/質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by GC/MS.)	mg/kg	1	n.d.
1H,1H,2H,2H-全氟-1-十二醇 (10:2 FTOH) (1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2FTOH)) (CAS No.: 865-86-1)	參考CEN/TS 15968: 2010 · 以氣相層析儀/質譜儀分析。(With reference to CEN/TS 15968: 2010, analysis was performed by GC/MS.)	mg/kg	1	n.d.
十溴聯苯乙烷 (Decabromodiphenylethane) (CAS No.: 84852-53-9)	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	50	n.d.
硫 (S) (Sulfur (S)) (CAS No.: 7704-34-9)	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	18.0
十溴聯苯醚 (DecaBDE) (Decabromodiphenyl ether (DecaBDE)) (CAS No.: 1163-19-5)	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	5	n.d.
異丙基化磷酸三苯酯 (PIP 3:1) (Phenol, isopropylated, phosphate (3:1) (PIP 3:1)) (CAS No.: 68937-41-7)	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	5	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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 24 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
2,4,6-三叔丁基酚 (2,4,6-TTBP) (2,4,6-Tris(tert-butyl)phenol (2,4,6-TTBP)) (CAS No.: 732-26-3)	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	5	n.d.
五氯苯硫酚 (PCTP) (Pentachlorothiophenol (PCTP)) (CAS No.: 133-49-3)	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	5	n.d.
六氯丁二烯 (HCBD) (Hexachlorobutadiene (HCBD)) (CAS No.: 87-68-3)	參考US EPA 3550C: 2007 · 以氣相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.)	mg/kg	5	n.d.
銻 (Sb) (Antimony (Sb)) (CAS No.: 7440-36-0)	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.
紅磷 (Red Phosphorus)	以熱裂解-氣相層析儀/質譜儀分析。(Analysis was performed by Pyrolyzer-GC/MS.)	**	-	Negative

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 (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. 石綿定性分析試驗範圍: <0.1%~100% · 石綿鑑定的判定基準是以檢出含有石綿纖維為『Positive』 · 未檢出石綿纖維為『Negative』。(Testing range of asbestos qualitative analysis is from less than 0.1% to 100%. The judgment criterion: asbestos fibers being found is shown as "Positive"; asbestos fibers not being found is shown as "Negative".)
8. 全氟辛烷磺酸及其鹽類包含 (PFOS and its salts including) :
CAS No.: 29081-56-9, 2795-39-3, 29457-72-5, 70225-14-8, 56773-42-3, 251099-16-8, 307-35-7.
9. 全氟辛酸及其鹽類包含 (PFOA and its salts including) :
CAS No.: 3825-26-1, 335-95-5, 2395-00-8, 335-93-3, 335-66-0.

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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 25 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

10. ▲ : 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
五氧化二砷 (Diarsenic pentaoxide)	砷 (Arsenic)	1.5339
三氧化二砷 (Diarsenic trioxide)	砷 (Arsenic)	1.3203
氧化鈹 (Beryllium oxide) (BeO)	鈹 (Beryllium)	2.7753

參數換算表 (Parameter Conversion Table) :

https://eecloud.sgs.com/Region_TW/DocDownload.aspx#otherDoc

11. Negative*/Positive*: 蓋革計數器偵測放射性物質的檢測結果係利用檢測值與環境背景值相比較的結果，一般天然環境下都存在微量的輻射劑量(一般環境背景的輻射劑量約小於等於0.2μSv/hr)。如果檢測值低於環境背景值時，表示正常或無異常(Negative*)；相反地，檢測值高於環境背景值時，表示異常(Positive*)。

(The test result of Geiger counter is from comparison between test outcome and environment background. In general, there is little radiation dose existing in environment. (Radiation dose from environment background usually less than or equal to 0.2μSv/hr)

The test result less than environment background was shown as Negative*; the result greater than environment background was shown as Positive*.)

12. (※ E): 被萃取出的溶出砷是以感應耦合電漿發射光譜儀檢測得之。(The extracted soluble Arsenic is detected by ICP-OES.)

13. μg/cm²/week = microgram per square centimeter per week

No.	樣品表面積 (cm ²) (Sample Area)	測試溶液體積 (Volume of Test Solution) (ml)
1	5.84	6.0

14. 樣品的測試是基於申請人要求混合測試，報告中的混合測試結果不代表其中個別單一材質的含量。

The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value.

測試報告

Test Report

號碼(No.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 26 of 46

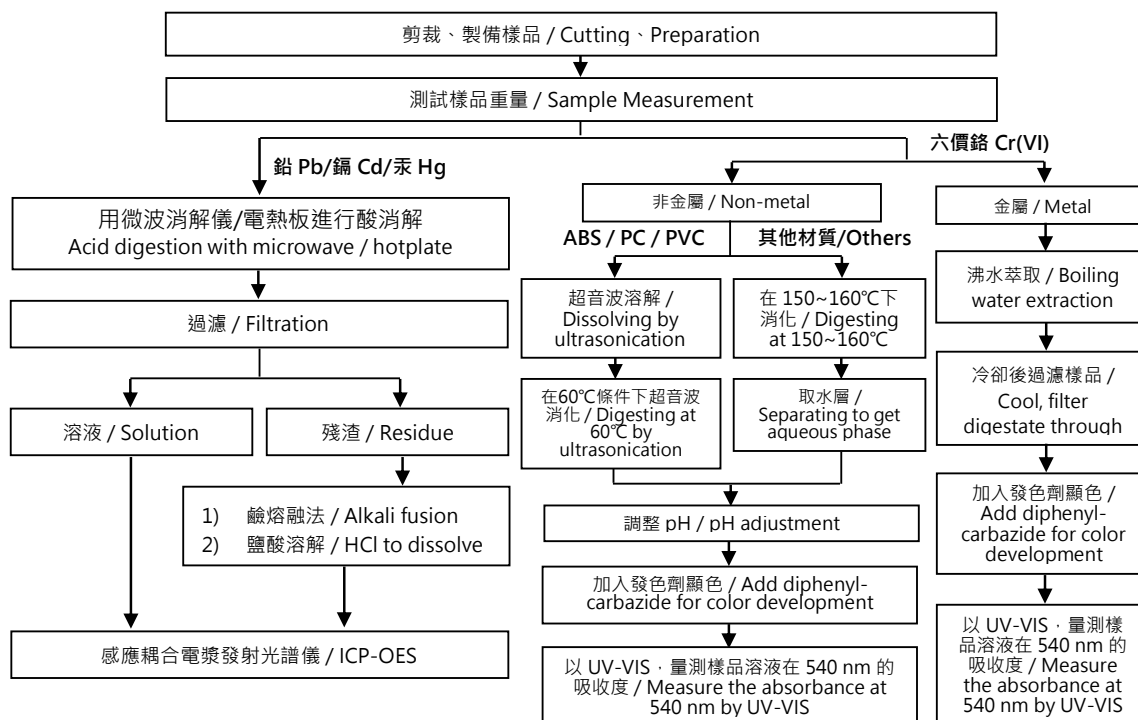
林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

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)



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.): ETR21603440

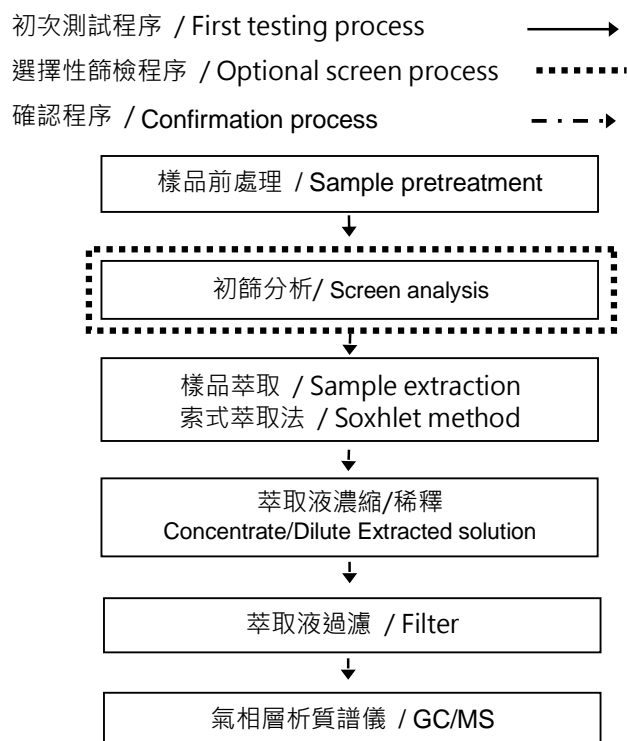
日期(Date): 01-Jul-2021

頁數(Page): 27 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 28 of 46

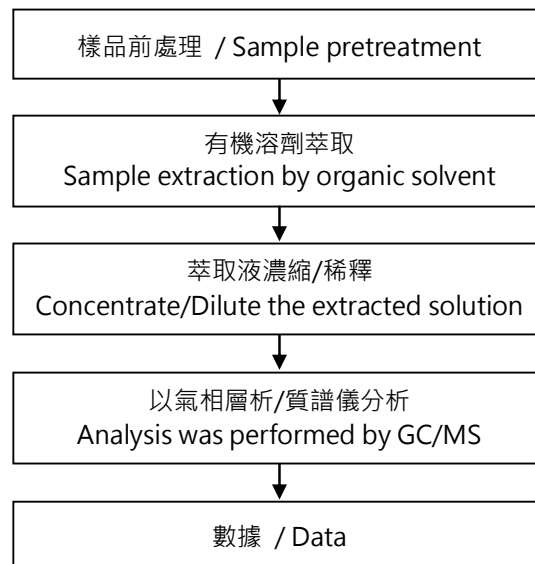
林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

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.): ETR21603440

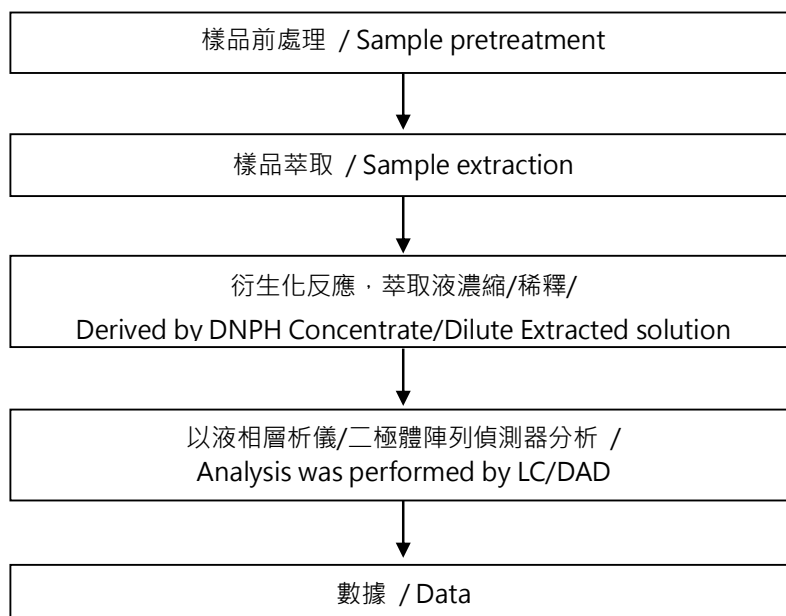
日期(Date): 01-Jul-2021

頁數(Page): 29 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

甲醛分析流程圖 / Analytical flow chart - Formaldehyde



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.): ETR21603440

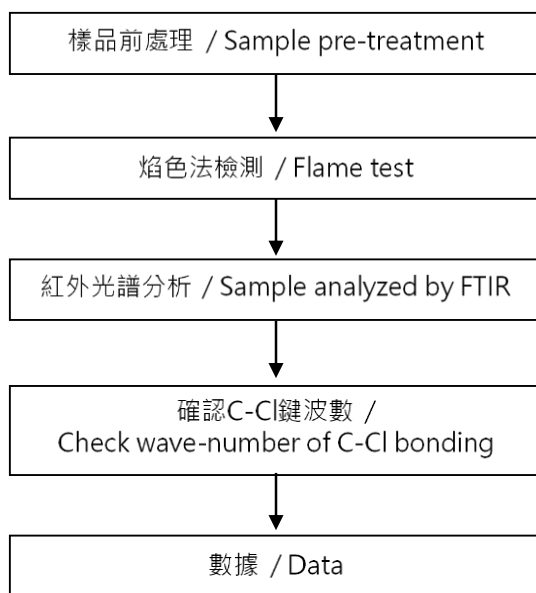
日期(Date): 01-Jul-2021

頁數(Page): 30 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

聚氯乙烯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.): ETR21603440

日期(Date): 01-Jul-2021

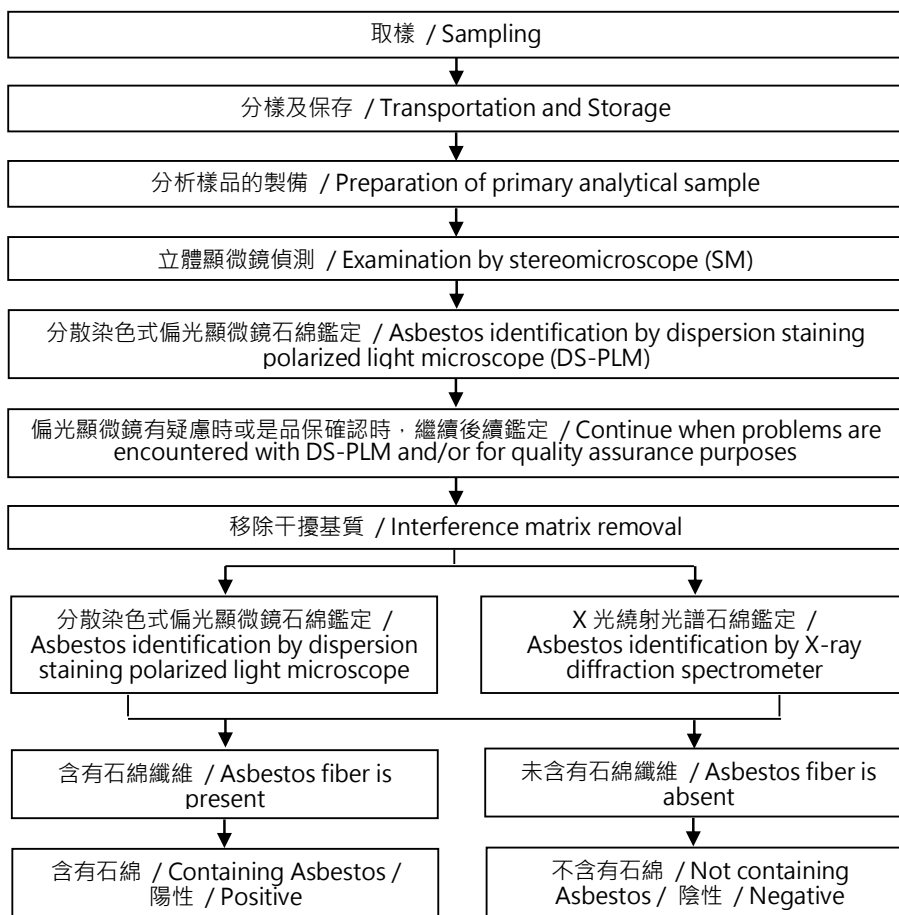
頁數(Page): 31 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

石綿鑑定分析流程圖 / Analysis flow chart for determination of Asbestos

【參考方法(Reference method): EPA 600/R-93/116】



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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 32 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

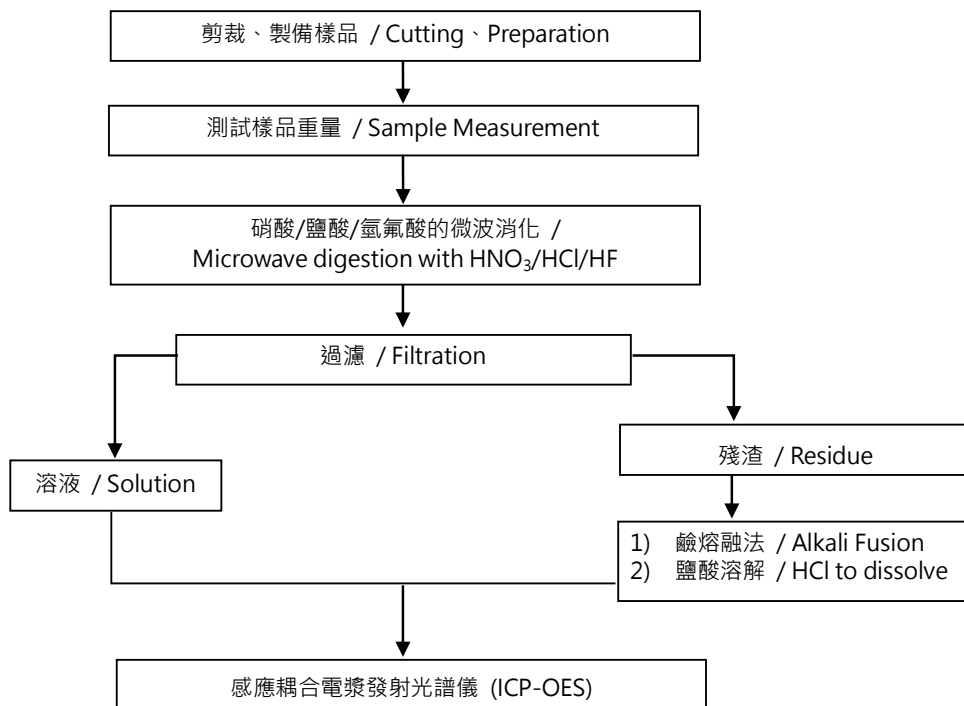
台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

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。

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.): ETR21603440

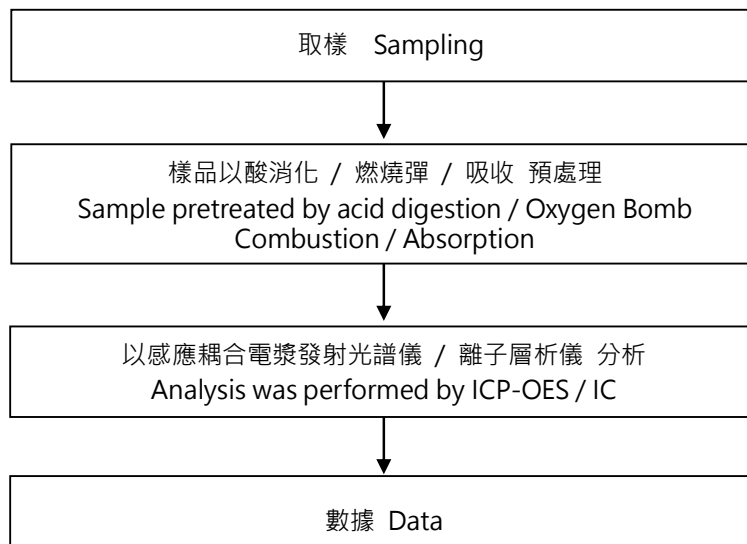
日期(Date): 01-Jul-2021

頁數(Page): 33 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

二氯化鈷分析流程圖 / Analytical flow chart - Cobalt dichloride



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.): ETR21603440

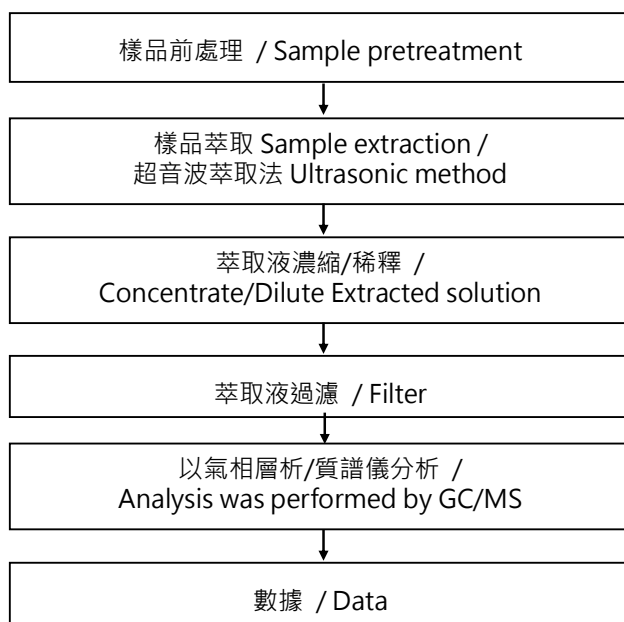
日期(Date): 01-Jul-2021

頁數(Page): 34 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

富馬酸二甲酯分析流程圖 / Analytical flow chart - Dimethyl Fumarate



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.): ETR21603440

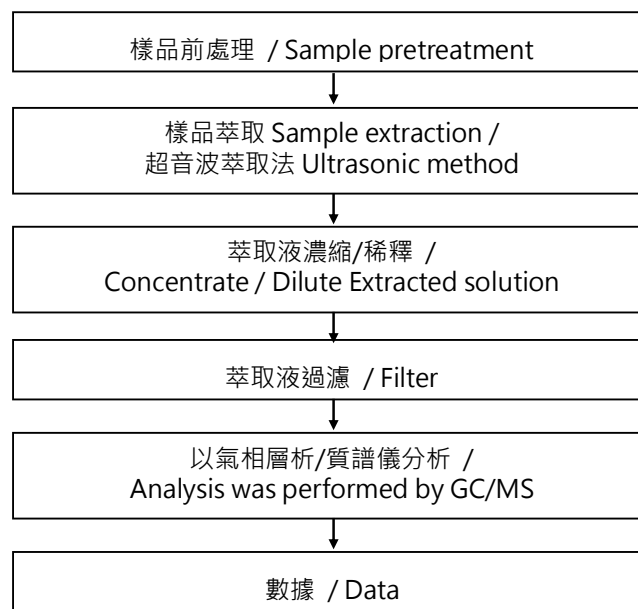
日期(Date): 01-Jul-2021

頁數(Page): 35 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

有機磷化合物分析流程圖 / Analytical flow chart - Organic phosphorus compounds



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.): ETR21603440

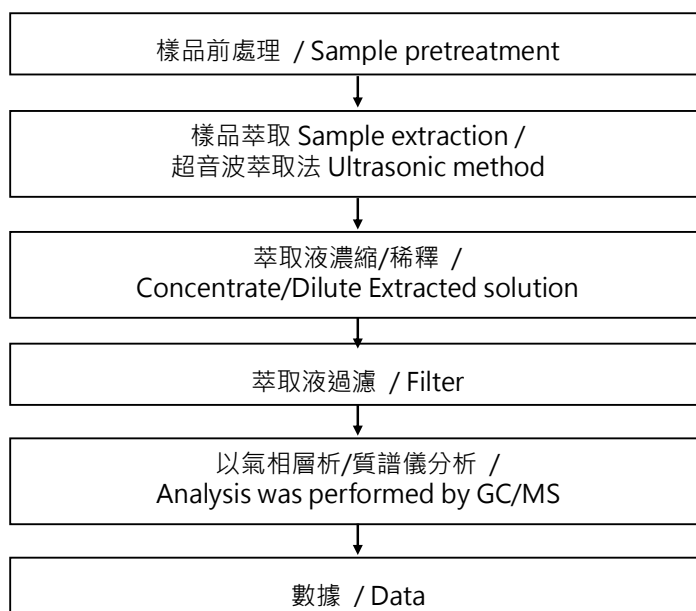
日期(Date): 01-Jul-2021

頁數(Page): 36 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

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.): ETR21603440

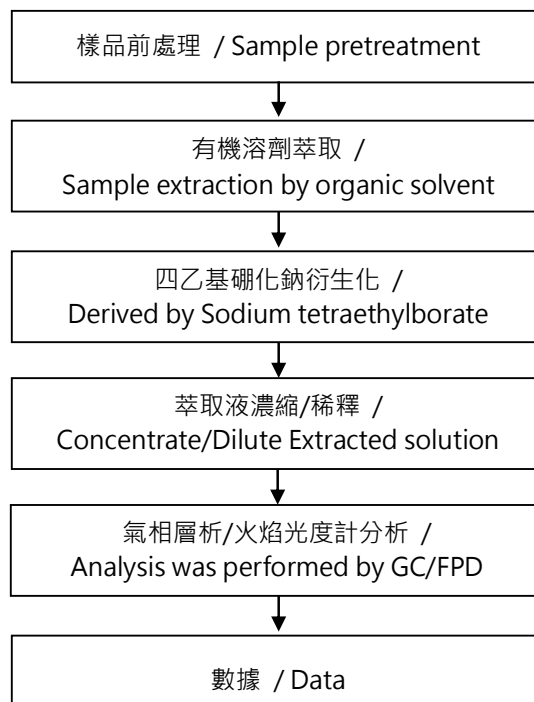
日期(Date): 01-Jul-2021

頁數(Page): 37 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

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.): ETR21603440

日期(Date): 01-Jul-2021

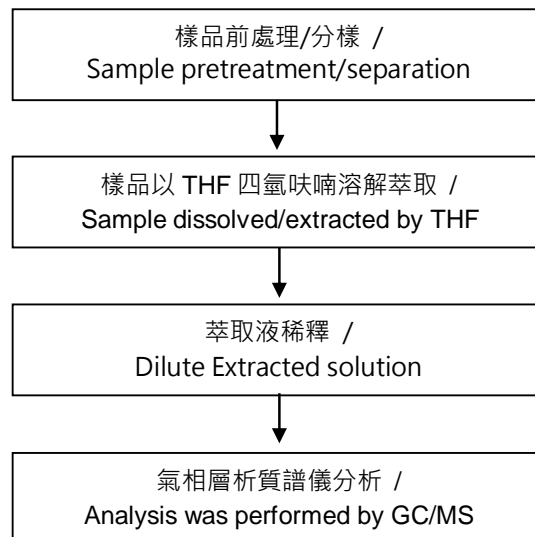
頁數(Page): 38 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

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.): ETR21603440

日期(Date): 01-Jul-2021

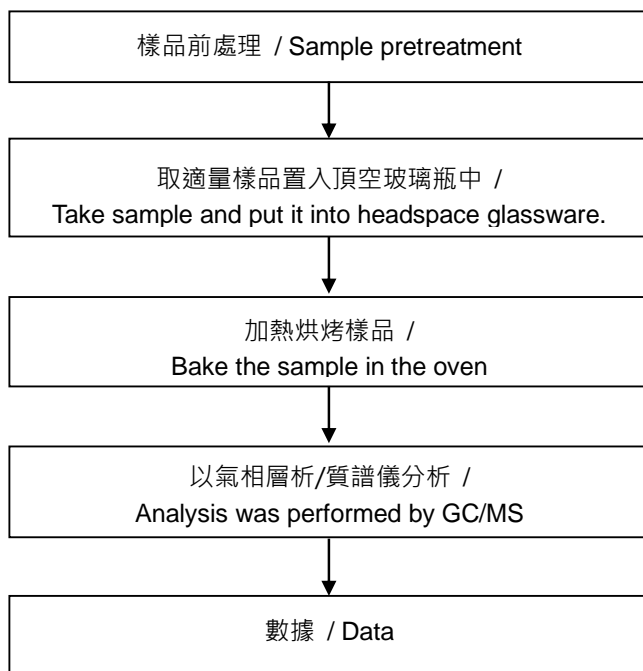
頁數(Page): 39 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

揮發性有機化合物分析流程圖 / Analytical flow chart of volatile organic compounds (VOCs)

【參考方法/Reference method : US EPA 5021A】



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.): ETR21603440

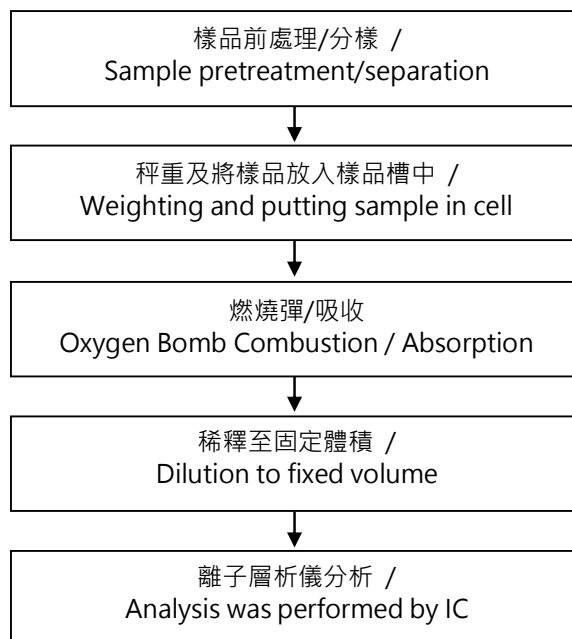
日期(Date): 01-Jul-2021

頁數(Page): 40 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

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.): ETR21603440

日期(Date): 01-Jul-2021

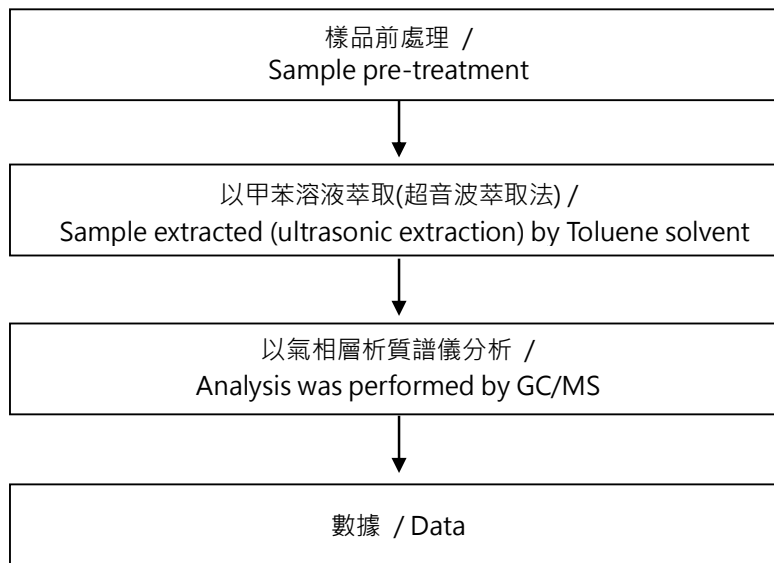
頁數(Page): 41 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

多環芳香烴分析流程圖 /

Analytical flow chart - PAHs (Polycyclic Aromatic Hydrocarbons)



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.): ETR21603440

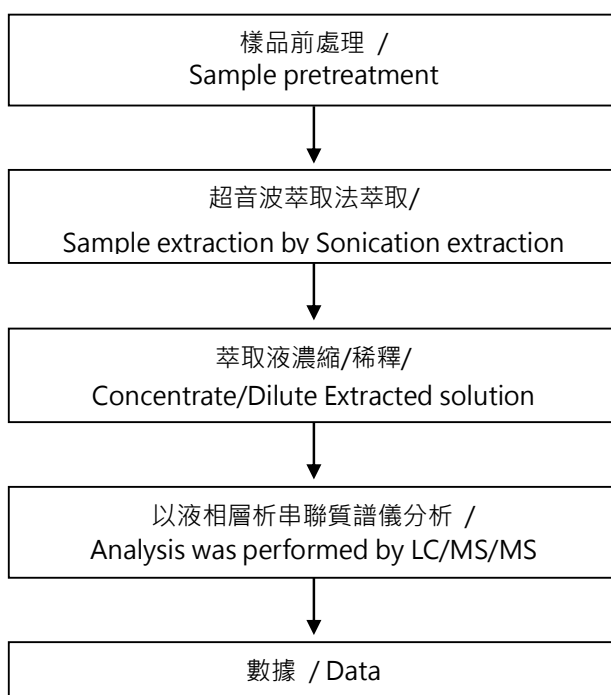
日期(Date): 01-Jul-2021

頁數(Page): 42 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

雙酚A分析流程圖 / Analytical flow chart - Bisphenol 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.): ETR21603440

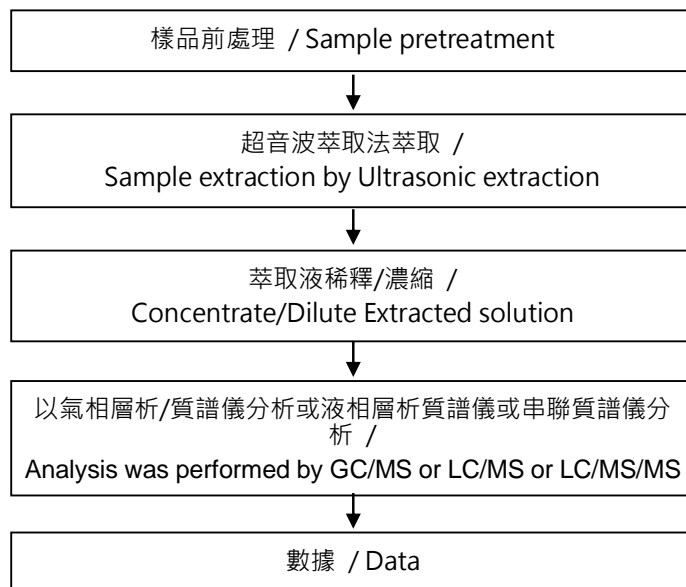
日期(Date): 01-Jul-2021

頁數(Page): 43 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

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.): ETR21603440

日期(Date): 01-Jul-2021

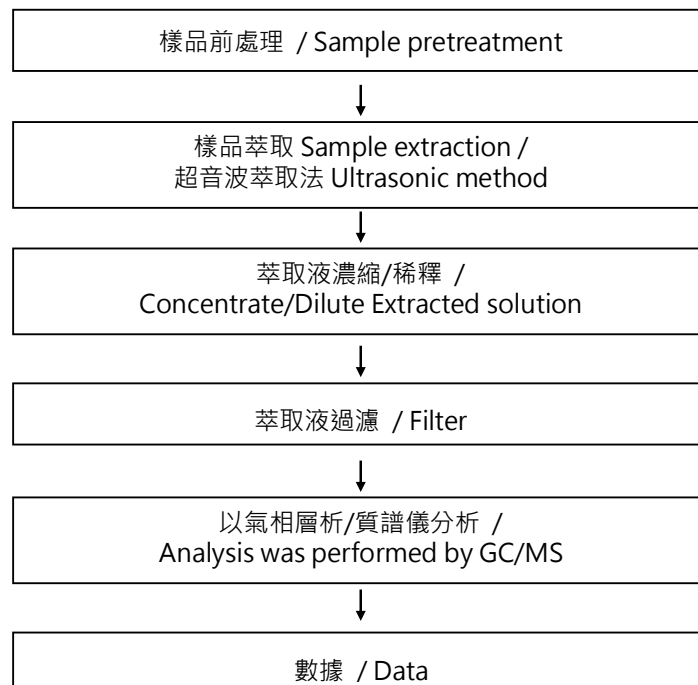
頁數(Page): 44 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

持久性生物累積毒性物質 (PBTs) 分析流程圖 /

Analytical flow chart - Persistent, Bioaccumulative, Toxic (PBTs)



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.): ETR21603440

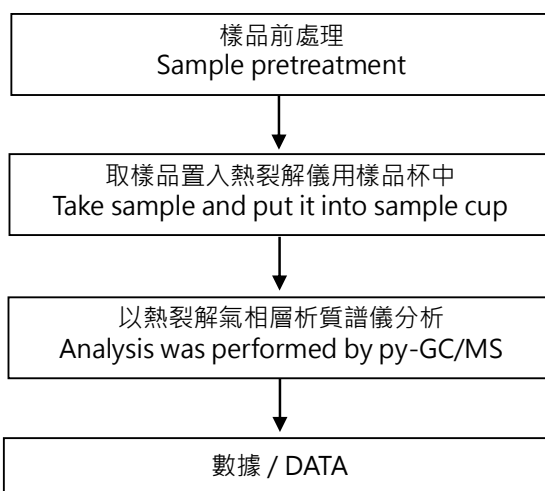
日期(Date): 01-Jul-2021

頁數(Page): 45 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG CITY, TAIWAN (R. O. C.))

紅磷分析流程 / Analytical flow chart - Red phosphorus



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.): ETR21603440

日期(Date): 01-Jul-2021

頁數(Page): 46 of 46

林朋科技股份有限公司 (ANOVA TECHNOLOGIES CO., LTD.)

台中市大甲區(幼獅工業區)東二街22號 (NO. 22, E. 2ND ST., (YU-SHIH INDUSTRIAL DIST) DAJIA DIST., TAICHUNG 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.)

ETR21603440



** 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.