



## 測試報告

## Test Report

號碼(No.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 1 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

以下測試樣品係由申請廠商所提供及確認 (The following sample(s) was/were submitted and identified by the applicant as) :

送樣廠商(Sample Submitted By) : 南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

樣品名稱(Sample Name) : LAMINATE (UL E98983)

樣品型號(Style/Item No.) : NP-140R/NP-140TL

訂單編號(Order No.) : 2522256

收件日(Sample Receiving Date) : 01-Aug-2022

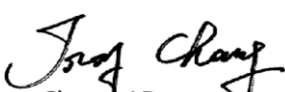
測試期間(Testing Period) : 01-Aug-2022 to 08-Aug-2022

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

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

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

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

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



PIN CODE: 9B9BD425

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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 2 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 測試部位敘述 (Test Part Description)

No.1 : 銅色/棕色板子 (COPPER/BROWN SHEET)

### 測試結果 (Test Results)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
鎘 (Cd) (Cadmium (Cd)) (CAS No.: 7440-43-9)	參考IEC 62321-5: 2013 · 以感應耦合電漿發射光譜儀分析。(With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.)	mg/kg	2	n.d.	100
鉛 (Pb) (Lead (Pb)) (CAS No.: 7439-92-1)		mg/kg	2	3.71	1000
汞 (Hg) (Mercury (Hg)) (CAS No.: 7439-97-6)	參考IEC 62321-4: 2013+ AMD1: 2017 · 以感應耦合電漿發射光譜儀分析。(With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES.)	mg/kg	2	n.d.	1000
六價鉻 Cr(VI) (Hexavalent Chromium Cr(VI)) (CAS No.: 18540-29-9)	參考IEC 62321-7-2: 2017 · 以紫外光-可見光分光光度計分析。(With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS.)	mg/kg	8	n.d.	1000
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.	-
聚氯乙烯 (Polyvinylchloride) (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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 3 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
一溴聯苯 (Monobromobiphenyl)	參考IEC 62321-6: 2015，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.)	mg/kg	5	n.d.	-
二溴聯苯 (Dibromobiphenyl)		mg/kg	5	n.d.	-
三溴聯苯 (Tribromobiphenyl)		mg/kg	5	n.d.	-
四溴聯苯 (Tetrabromobiphenyl)		mg/kg	5	n.d.	-
五溴聯苯 (Pentabromobiphenyl)		mg/kg	5	n.d.	-
六溴聯苯 (Hexabromobiphenyl)		mg/kg	5	n.d.	-
七溴聯苯 (Heptabromobiphenyl)		mg/kg	5	n.d.	-
八溴聯苯 (Octabromobiphenyl)		mg/kg	5	n.d.	-
九溴聯苯 (Nonabromobiphenyl)		mg/kg	5	n.d.	-
十溴聯苯 (Decabromobiphenyl)		mg/kg	5	n.d.	-
多溴聯苯總和 (Sum of PBBs)		mg/kg	-	n.d.	1000
一溴聯苯醚 (Monobromodiphenyl ether)	參考IEC 62321-6: 2015，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.)	mg/kg	5	n.d.	-
二溴聯苯醚 (Dibromodiphenyl ether)		mg/kg	5	n.d.	-
三溴聯苯醚 (Tribromodiphenyl ether)		mg/kg	5	n.d.	-
四溴聯苯醚 (Tetrabromodiphenyl ether)		mg/kg	5	n.d.	-
五溴聯苯醚 (Pentabromodiphenyl ether)		mg/kg	5	n.d.	-
六溴聯苯醚 (Hexabromodiphenyl ether)		mg/kg	5	n.d.	-
七溴聯苯醚 (Heptabromodiphenyl ether)		mg/kg	5	n.d.	-
八溴聯苯醚 (Octabromodiphenyl ether)		mg/kg	5	n.d.	-
九溴聯苯醚 (Nonabromodiphenyl ether)		mg/kg	5	n.d.	-
十溴聯苯醚 (Decabromodiphenyl ether)		mg/kg	5	n.d.	-
多溴聯苯醚總和 (Sum of PBDEs)		mg/kg	-	n.d.	1000
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))		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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 4 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC &amp; TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
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.	-
石綿 (Asbestos)					
白石綿/溫石綿 (Chrysotile) (CAS No.: 12001-29-5)	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	-
青石綿 (Crocidolite) (CAS No.: 12001-28-4)		-	-	Negative	-
斜方角閃石綿 (Anthophyllite) (CAS No.: 77536-67-5)		-	-	Negative	-
透閃石綿 (Tremolite) (CAS No.: 77536-68-6)		-	-	Negative	-
陽起石綿 (Actinolite) (CAS No.: 77536-66-4)		-	-	Negative	-
三丁基錫 (TBT) (Tributyl tin (TBT))	參考ISO 17353: 2004 · 以氣相層析儀/火焰光度偵測器分析。(With reference to ISO 17353: 2004, analysis was performed by GC/FPD.)	mg/kg	0.03	n.d.	-
三苯基錫 (TPT) (Triphenyl tin (TPT))		mg/kg	0.03	n.d.	-
二丁基錫 (DBT) (Dibutyl tin (DBT))		mg/kg	0.03	n.d.	-
二辛基錫 (DOT) (Diocetyl tin (DOT))		mg/kg	0.03	n.d.	-
氧化雙三丁基錫 (TBTO) (Bis(tributyltin) oxide (TBTO)) (CAS No.: 56-35-9)	由三丁基錫結果計算得之。(Calculated from the result of Tributyl Tin (TBT).)	mg/kg	0.03▲	n.d.	-

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



## 測試報告

## Test Report

號碼(No.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 5 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
偶氮染料 (AZO Dyes)					
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.	-
聯苯胺 (Benzidine) (CAS No.: 92-87-5)		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-萘胺 (2-naphthylamine) (CAS No.: 91-59-8)		mg/kg	3	n.d.	-
鄰-胺基偶氮甲苯 (o-aminoazotoluene) (CAS No.: 97-56-3)		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-氯苯胺 (4-chloroaniline) (CAS No.: 106-47-8)		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.	-
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.	-
3,3'-二甲基聯苯胺 (3,3'-dimethylbenzidine) (CAS No.: 119-93-7)		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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 6 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
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)	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-甲氧基-5-甲基苯胺 (2-methoxy-5-methylaniline) (CAS No.: 120-71-8)		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.	-
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.	-
鄰-甲苯胺 (o-toluidine) (CAS No.: 95-53-4)		mg/kg	3	n.d.	-
2,4-甲苯二胺 (2,4-diaminotoluene) (CAS No.: 95-80-7)		mg/kg	3	n.d.	-
2,4,5-三甲苯胺 (2,4,5-trimethylaniline) (CAS No.: 137-17-7)		mg/kg	3	n.d.	-
鄰-甲氧基苯胺 (o-anisidine) (CAS No.: 90-04-0)		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.	-

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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 7 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
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.	-
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.	-
全氟辛酸及其鹽類 (PFOA and its salts) (CAS No.: 335-67-1 and its salts)		mg/kg	0.01	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.	-
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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 8 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
六溴環十二烷及所有主要被辨別出的異構物(HBCDD) ( $\alpha$ - HBCDD, $\beta$ - HBCDD, $\gamma$ - HBCDD) (Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ - HBCDD, $\beta$ - HBCDD, $\gamma$ - 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.	-
氫氟碳化合物 (Hydrofluorocarbon) (HFCs)					
HFC-23 (CHF <sub>3</sub> ) (CAS No.: 75-46-7)	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-32 (CH <sub>2</sub> F <sub>2</sub> ) (CAS No.: 75-10-5)		mg/kg	1	n.d.	-
HFC-41 (CH <sub>3</sub> F) (CAS No.: 593-53-3)		mg/kg	1	n.d.	-
HFC-43-10mee (C <sub>5</sub> H <sub>2</sub> F <sub>10</sub> )		mg/kg	1	n.d.	-
HFC-125 (C <sub>2</sub> H <sub>5</sub> F)		mg/kg	1	n.d.	-
HFC-134 (C <sub>2</sub> H <sub>2</sub> F <sub>4</sub> )		mg/kg	1	n.d.	-
HFC-134a (CH <sub>2</sub> FCF <sub>3</sub> ) (CAS No.: 811-97-2)		mg/kg	1	n.d.	-
HFC-143 (CH <sub>3</sub> CF <sub>3</sub> )		mg/kg	1	n.d.	-
HFC-143a (CH <sub>3</sub> CF <sub>3</sub> )		mg/kg	1	n.d.	-
HFC-152a (C <sub>2</sub> H <sub>4</sub> F <sub>2</sub> ) (CAS No.: 75-37-6)		mg/kg	1	n.d.	-
HFC-227ea (C <sub>3</sub> H <sub>7</sub> F <sub>7</sub> ) (CAS No.: 431-89-0)		mg/kg	1	n.d.	-
HFC-236fa (C <sub>3</sub> H <sub>2</sub> F <sub>6</sub> )		mg/kg	1	n.d.	-
HFC-236ea (C <sub>3</sub> H <sub>2</sub> F <sub>6</sub> ) (CAS No.: 431-63-0)		mg/kg	1	n.d.	-
HFC-245ca (C <sub>3</sub> H <sub>3</sub> F <sub>5</sub> )		mg/kg	1	n.d.	-
HFC-245fa (C <sub>3</sub> H <sub>3</sub> F <sub>5</sub> )		mg/kg	1	n.d.	-
HFC-365mfc (C <sub>4</sub> H <sub>5</sub> F <sub>5</sub> )		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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 9 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
全氟化碳 (Perfluorocarbon) (PFCs)					
四氟甲烷 (Freon-14) (CAS No.: 75-73-0)	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.	-
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.	-
十氟丁烷 (Decafluorobutane) (CAS No.: 355-25-9)		mg/kg	1	n.d.	-
八氟環丁烷 (Freon C318) (CAS No.: 115-25-3)		mg/kg	1	n.d.	-
全氟-1-丁烯 (Perfluor-1-butene) (CAS No.: 357-26-6)		mg/kg	1	n.d.	-
全氟異丁烯 (Perfluorisobutene) (CAS No.: 382-21-8)		mg/kg	1	n.d.	-
1,4-二氫八氟丁烷 (1,4-dihydrooctafluorobutane) (CAS No.: 377-36-6)		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.	-
全氟戊烷 (Perfluoro-n-pentane) (CAS No.: 678-26-2)		mg/kg	1	n.d.	-
2-全氟甲基戊烷 (2-Perfluoromethylpentane) (CAS No.: 355-04-4)		mg/kg	1	n.d.	-
全氟己烷 (Perfluorohexane) (CAS No.: 355-42-0)		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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 10 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
氟氯碳化物 (Chlorofluorocarbons) (CFCs)					
CFC-11	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-12		mg/kg	1	n.d.	-
CFC-113		mg/kg	1	n.d.	-
CFC-114		mg/kg	1	n.d.	-
CFC-115		mg/kg	1	n.d.	-
CFC-13		mg/kg	1	n.d.	-
CFC-111		mg/kg	1	n.d.	-
CFC-112		mg/kg	1	n.d.	-
CFC-211		mg/kg	1	n.d.	-
CFC-212		mg/kg	1	n.d.	-
CFC-213		mg/kg	1	n.d.	-
CFC-214		mg/kg	1	n.d.	-
CFC-215		mg/kg	1	n.d.	-
CFC-216		mg/kg	1	n.d.	-
CFC-217		mg/kg	1	n.d.	-
氟氯氫烷碳化物 (Hydrochlorofluorocarbons) (HCFCs)					
HCFC-21	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		mg/kg	1	n.d.	-
HCFC-31		mg/kg	1	n.d.	-
HCFC-121		mg/kg	1	n.d.	-
HCFC-122		mg/kg	1	n.d.	-
HCFC-123		mg/kg	1	n.d.	-
HCFC-124		mg/kg	1	n.d.	-
HCFC-131		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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 11 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
HCFC-132b	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-133a		mg/kg	1	n.d.	-
HCFC-141b		mg/kg	1	n.d.	-
HCFC-142b		mg/kg	1	n.d.	-
HCFC-221		mg/kg	1	n.d.	-
HCFC-222		mg/kg	1	n.d.	-
HCFC-223		mg/kg	1	n.d.	-
HCFC-224		mg/kg	1	n.d.	-
HCFC-225ca		mg/kg	1	n.d.	-
HCFC-225cb		mg/kg	1	n.d.	-
HCFC-226		mg/kg	1	n.d.	-
HCFC-231		mg/kg	1	n.d.	-
HCFC-232		mg/kg	1	n.d.	-
HCFC-233		mg/kg	1	n.d.	-
HCFC-234		mg/kg	1	n.d.	-
HCFC-235		mg/kg	1	n.d.	-
HCFC-241		mg/kg	1	n.d.	-
HCFC-242		mg/kg	1	n.d.	-
HCFC-243		mg/kg	1	n.d.	-
HCFC-244		mg/kg	1	n.d.	-
HCFC-251		mg/kg	1	n.d.	-
HCFC-252		mg/kg	1	n.d.	-
HCFC-253		mg/kg	1	n.d.	-
HCFC-261		mg/kg	1	n.d.	-
HCFC-262		mg/kg	1	n.d.	-
HCFC-271		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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 12 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD.)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
HCFC-141	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-142		mg/kg	1	n.d.	-
HCFC-151		mg/kg	1	n.d.	-
HCFC-225		mg/kg	1	n.d.	-
溴甲烷 (Methyl Bromide) (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.	-
海龍 (Halons)					
海龍-1211 (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.	-
海龍-1301 (Halon-1301) (CAS No.: 75-63-8)		mg/kg	1	n.d.	-
海龍-2402 (Halon-2402) (CAS No.: 124-73-2)		mg/kg	1	n.d.	-
不完全鹵化氟溴化物 (Hydrobromofluorocarbons)					
HBFC-21B2 (CHFBr <sub>2</sub> ) (CAS No.: 1868-53-7)	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-22B1 (CHF <sub>2</sub> Br) (CAS No.: 1511-62-2)		mg/kg	1	n.d.	-
HBFC-31B1 (CH <sub>2</sub> FBr) (CAS No.: 373-52-4)		mg/kg	1	n.d.	-
HBFC-121B4 (C <sub>2</sub> HFBr <sub>4</sub> )		mg/kg	1	n.d.	-
HBFC-122B3 (C <sub>2</sub> HF <sub>2</sub> Br <sub>3</sub> )		mg/kg	1	n.d.	-
HBFC-123B2 (C <sub>2</sub> HF <sub>3</sub> Br <sub>2</sub> )		mg/kg	1	n.d.	-
HBFC-124B1 (C <sub>2</sub> HF <sub>4</sub> Br)		mg/kg	1	n.d.	-
HBFC-131B3 (C <sub>2</sub> H <sub>2</sub> FBr <sub>3</sub> )		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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 13 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
HBFC-132B2 (C2H2F2Br2)	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-133B1 (C2H2F3Br)		mg/kg	1	n.d.	-
HBFC-141B2 (C2H3FBr2)		mg/kg	1	n.d.	-
HBFC-142B1 (C2H3F2Br)		mg/kg	1	n.d.	-
HBFC-151B1 (C2H4FBr)		mg/kg	1	n.d.	-
HBFC-221B6 (C3HFBr6)		mg/kg	1	n.d.	-
HBFC-222B5 (C3HF2Br5)		mg/kg	1	n.d.	-
HBFC-223B4 (C3HF3Br4)		mg/kg	1	n.d.	-
HBFC-224B3 (C3HF4Br3)		mg/kg	1	n.d.	-
HBFC-225B2 (C3HF5Br2)		mg/kg	1	n.d.	-
HBFC-226B1 (C3HF6Br)		mg/kg	1	n.d.	-
HBFC-231B5 (C3H2FBr5)		mg/kg	1	n.d.	-
HBFC-232B4 (C3H2F2Br4)		mg/kg	1	n.d.	-
HBFC-233B3 (C3H2F3Br3)		mg/kg	1	n.d.	-
HBFC-234B2 (C3H2F4Br2)		mg/kg	1	n.d.	-
HBFC-235B1 (C3H2F5Br)		mg/kg	1	n.d.	-
HBFC-241B4 (C3H3FBr4)		mg/kg	1	n.d.	-
HBFC-242B3 (C3H3F2Br3)		mg/kg	1	n.d.	-
HBFC-243B2 (C3H3F3Br2)		mg/kg	1	n.d.	-
HBFC-244B1 (C3H3F4Br)		mg/kg	1	n.d.	-
HBFC-251B3 (C3H4FBr3)		mg/kg	1	n.d.	-
HBFC-252B2 (C3H4F2Br2)		mg/kg	1	n.d.	-
HBFC-253B1 (C3H4F3Br)		mg/kg	1	n.d.	-
HBFC-261B2 (C3H5FBr2)		mg/kg	1	n.d.	-
HBFC-262B1 (C3H5F2Br)		mg/kg	1	n.d.	-
HBFC-271B1 (C3H6FBr)		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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 14 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
氯碳氫化物 (Chlorinate hydrocarbon)					
1,1,1,2-四氯乙烷 (1,1,1,2-Tetrachloroethane) (CAS No.: 630-20-6)	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.	-
1,1,1-三氯乙烷 (1,1,1-Trichloroethane) (CAS No.: 71-55-6)		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.	-
1,1,2-三氯乙烷 (1,1,2-Trichloroethane) (CAS No.: 79-00-5)		mg/kg	1	n.d.	-
1,1-二氯乙烷 (1,1-Dichloroethane) (CAS No.: 75-34-3)		mg/kg	1	n.d.	-
1,1-二氯乙烯 (1,1-Dichloroethylene) (CAS No.: 75-35-4)		mg/kg	1	n.d.	-
1,1-二氯丙烯 (1,1-Dichloropropene) (CAS No.: 563-58-6)		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.	-
1,2-二氯乙烷 (1,2-Dichloroethane) (CAS No.: 107-06-2)		mg/kg	1	n.d.	-
1,2-二氯丙烷 (1,2-Dichloropropane) (CAS No.: 78-87-5)		mg/kg	1	n.d.	-
1,3-二氯丙烷 (1,3-Dichloropropane) (CAS No.: 142-28-9)		mg/kg	1	n.d.	-
2,2-二氯丙烷 (2,2-Dichloropropane) (CAS No.: 594-20-7)		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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 15 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
四氯甲烷(四氯化碳) (Carbon tetrachloride) (CAS No.: 56-23-5)	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.	-
氯乙烷 (Chloroethane) (CAS No.: 75-00-3)		mg/kg	1	n.d.	-
氯仿 (Chloroform) (CAS No.: 67-66-3)		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-1,3-丁二烯 (Hexachlorobutadiene) (CAS No.: 87-68-3)		mg/kg	1	n.d.	-
二氯甲烷 (Dichloromethane) (CAS No.: 75-09-2)		mg/kg	1	n.d.	-
四氯乙烯 (Tetrachloroethene) (CAS No.: 127-18-4)		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.	-
三氯乙烯 (Trichloroethylene) (CAS No.: 79-01-6)		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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 16 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
六氟化硫 (Sulfur hexafluoride) (CAS No.: 2551-62-4)	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.	-
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.	-
五氧化二砷 (As <sub>2</sub> O <sub>5</sub> ) (Diarsenic pentaoxide (As <sub>2</sub> O <sub>5</sub> )) (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 <sub>2</sub> O <sub>3</sub> ) (Diarsenic trioxide (As <sub>2</sub> O <sub>3</sub> )) (CAS No.: 1327-53-3)	由砷結果計算得之。(Calculated from the result of Arsenic.)	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.	1000
鄰苯二甲酸二丁酯 (DBP) (Dibutyl phthalate (DBP)) (CAS No.: 84-74-2)		mg/kg	50	n.d.	1000
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (Di-(2-ethylhexyl) phthalate (DEHP)) (CAS No.: 117-81-7)		mg/kg	50	n.d.	1000
鄰苯二甲酸二異丁酯 (DIBP) (Diisobutyl phthalate (DIBP)) (CAS No.: 84-69-5)		mg/kg	50	n.d.	1000
鄰苯二甲酸二異癸酯 (DIDP) (Diisodecyl phthalate (DIDP)) (CAS No.: 26761-40-0, 68515-49-1)		mg/kg	50	n.d.	-
鄰苯二甲酸二異壬酯 (DINP) (Diisononyl phthalate (DINP)) (CAS No.: 28553-12-0, 68515-48-0)		mg/kg	50	n.d.	-

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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 17 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
鄰苯二甲酸二正辛酯 (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.	-
鄰苯二甲酸二正己酯 (DNHP) (Di-n-hexyl phthalate (DNHP)) (CAS No.: 84-75-3)		mg/kg	50	n.d.	-
鄰苯二甲酸二(支鏈與直鏈)己基酯 (DHP) (1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (DHP)) (CAS No.: 68515-50-4)		mg/kg	50	n.d.	-
鄰苯二甲酸二(C6-8支鏈)烷基酯，富C7 (DIHP) (1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)) (CAS No.: 71888-89-6)		mg/kg	50	n.d.	-
鄰苯二甲酸二(C7-11支鏈與直鏈)烷基酯 (DHNUP) (1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)) (CAS No.: 68515-42-4)		mg/kg	50	n.d.	-
鄰苯二甲酸雙(2-甲氧基乙基)酯 (DMEP) (Bis(2-methoxyethyl) phthalate (DMEP)) (CAS No.: 117-82-8)		mg/kg	50	n.d.	-
鄰苯二甲酸二異戊酯 (DIPP) (Diisopentyl phthalate (DIPP)) (CAS No.: 605-50-5)		mg/kg	50	n.d.	-

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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 18 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
鄰苯二甲酸二(支鏈及直鏈戊基)酯 (DPP) (1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (DPP)) (CAS No.: 84777-06-0)	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.	-
鄰苯二甲酸二正戊酯 (DNPP) (Di-n- pentyl phthalate (DNPP)) (CAS No.: 131-18-0)		mg/kg	50	n.d.	-
鄰苯二甲酸正戊異戊酯 (NPIPP) (N- pentyl iso-pentyl phthalate (NPIPP)) (CAS No.: 776297-69-9)		mg/kg	50	n.d.	-
鄰苯二甲酸二甲酯 (DMP) (Dimethyl phthalate (DMP)) (CAS No.: 131-11- 3)		mg/kg	50	n.d.	-
鄰苯二甲酸二環己酯 (DCHP) (Di- cyclohexyl phthalate (DCHP)) (CAS No.: 84-61-7)		mg/kg	50	n.d.	-
鄰苯二甲酸二苯酯 (DPhP) (Diphenyl phthalate (DPhP)) (CAS No.: 84-62-8)		mg/kg	50	n.d.	-
鄰苯二甲酸二苯甲基酯 (Dibenzyl phthalate) (CAS No.: 523-31-9)		mg/kg	50	n.d.	-
鄰苯二甲酸二異辛酯 (DIOP) (Diisooctyl phthalate (DIOP)) (CAS No.: 27554- 26-3)		mg/kg	50	n.d.	-
鄰苯二甲酸二丙酯 (DPrP) (Dipropyl phthalate (DPrP)) (CAS No.: 131-16- 8)		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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 19 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD.)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
鄰苯二甲酸二正壬酯 (DNNP) (Di-n-nonyl phthalate (DNNP)) (CAS No.: 84-76-4)	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.	-
鄰苯二甲酸二乙酯 (DEP) (Di-ethyl phthalate (DEP)) (CAS No.: 84-66-2)		mg/kg	50	n.d.	-
二氯化鈷 (CoCl <sub>2</sub> ) (Cobalt dichloride (CoCl <sub>2</sub> )) (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.	-
全氟己基磺酸及其鹽類 (PFHxS) (Perfluorohexane-1-sulphonic acid and its salts (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.	-
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	-
二乙二醇二甲醚 (DEGDME) (Diethylene glycol dimethyl ether (DEGDME)) (CAS No.: 111-96-6)	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	10	n.d.	-
N, N-二甲基乙醯胺 (DMAC) (N,N-Dimethylacetamide (DMAC)) (CAS No.: 127-19-5)	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	10	n.d.	-
乙二醇二甲醚 (Ethylene glycol dimethyl ether) (CAS No.: 110-71-4)	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	10	n.d.	-
磷酸三(二甲苯)酯 (Trixylyl phosphate) (CAS No.: 25155-23-1)	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	25	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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 20 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)	限值 (Limit)
				No.1	
對特辛基苯酚 (4-Tert-octylphenol) (CAS No.: 140-66-9)	參考US EPA 3550C: 2007 · 以液相層析儀/質譜儀分析。(With reference to US EPA 3550C: 2007, analysis was performed by LC/MS.)	mg/kg	10	n.d.	-
N-苯基苯胺與苯乙烯和2,4,4-三甲基戊烯的反應物 (Benzenamine, N-phenyl-, reaction products with styrene and 2,4,4-trimethylpentene) (CAS No.: 68921-45-9)	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	100	n.d.	-
2-(2'-羥基-3',5'-二-叔-戊基苯基)苯並三唑 (紫外線吸收劑328) (2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)) (CAS No.: 25973-55-1)	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.	-
溴氯甲烷 (Bromochloromethan) (CAS No.: 74-97-5)	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.	-
中鏈氯化石蠟(C14-C17) (MCCP) (Medium Chain Chlorinated Paraffins(C14-C17) (MCCP)) (CAS No.: 85535-85-9)	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.	-
溴 (Br) (Bromine (Br)) (CAS No.: 10097-32-2)	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	49600	-
氯 (Cl) (Chlorine (Cl)) (CAS No.: 22537-15-1)		mg/kg	50	345	-

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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 21 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD.)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 備註(Note) :

1. mg/kg = ppm ; 0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit (方法偵測極限值)
3. n.d. = Not Detected (未檢出) ; 小於MDL / Less than MDL
4. "-" = Not Regulated (無規格值)
5. \*\* = Qualitative analysis (No Unit) 定性分析(無單位)
6. Negative = Undetectable 陰性(未偵測到); Positive = Detectable 陽性(已偵測到)
7. 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. ▲ : 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
氧化雙三丁基錫 (Bis(tributyltin)oxide) (TBTO)	三丁基錫 (Tributyl Tin) (TBT)	1.0276

參數換算表 (Parameter Conversion Table) :

[https://eecloud.sgs.com/Region\\_TW/DocDownload.aspx#otherDoc](https://eecloud.sgs.com/Region_TW/DocDownload.aspx#otherDoc)

9. 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.
10. 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.
11. (※ 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.)
12. (※ H): 水合硼酸鈉: 依照歐洲化學總署解釋以無水四硼酸二鈉數據作為代表(歐洲化學總署回信編號 Ref no.: INC 000000032519) / Tetraboron disodium heptaoxide, hydrate: Only anhydrous form of disodium tetraborate is relevant and considered according to ECHA explanation (Ref no.: INC 000000032519).

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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 22 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

13. 鈹青銅是一種主要成份為鈹及銅的合金, 當偵測不到總鈹含量時, 亦表示不含鈹青銅。  
(Since beryllium copper is a metal alloy of copper and beryllium and the test result is n.d. for beryllium, we can have conclusion that the beryllium copper is n.d..)
14. 除非另有說明, 參照ILAC-G8:09/2019, 採用簡單二元(w=0)允收規則進行符合性判定; 根據此規則, 符合性結果之判定係以測試結果與限值做比較。(Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019. According to this rule, the judgement of conformity is based on the comparing test results with limits.)
15. 本報告部份測試結果係引用自報告 ETR22800033 之樣品測試結果。(The some test results of this report were quoted from ETR22800033)

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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 23 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

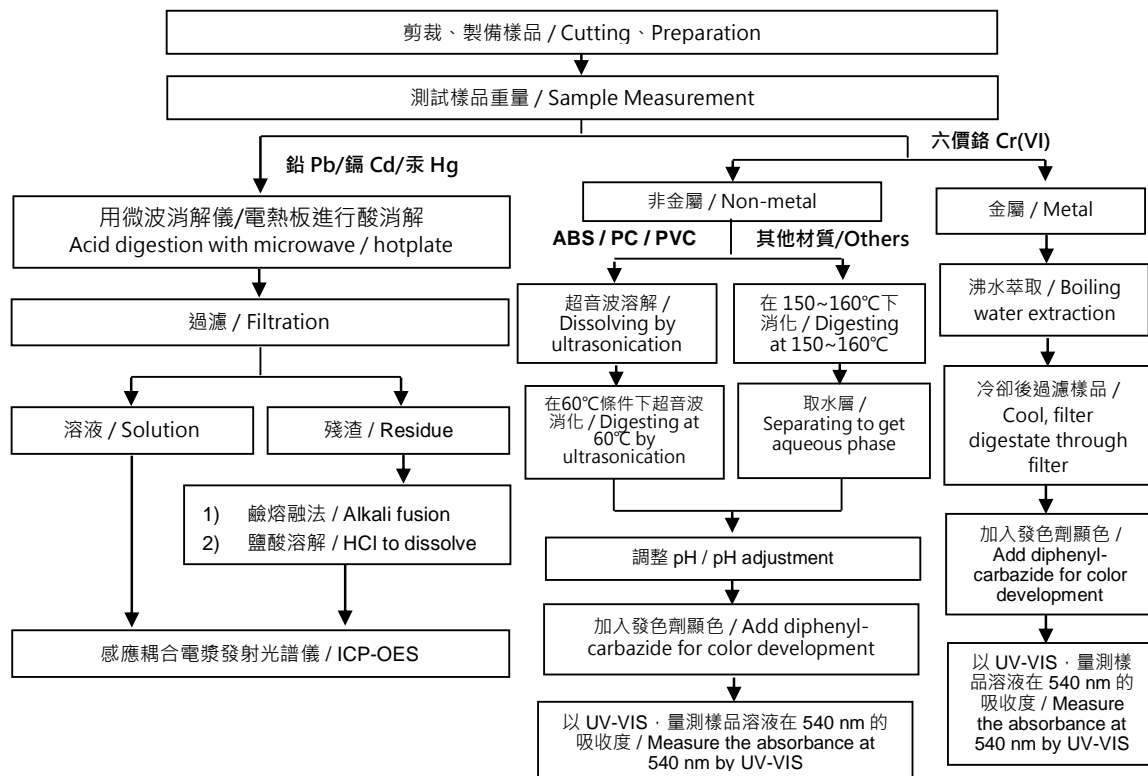
台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC &amp; TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

## 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<sup>6+</sup> 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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 24 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

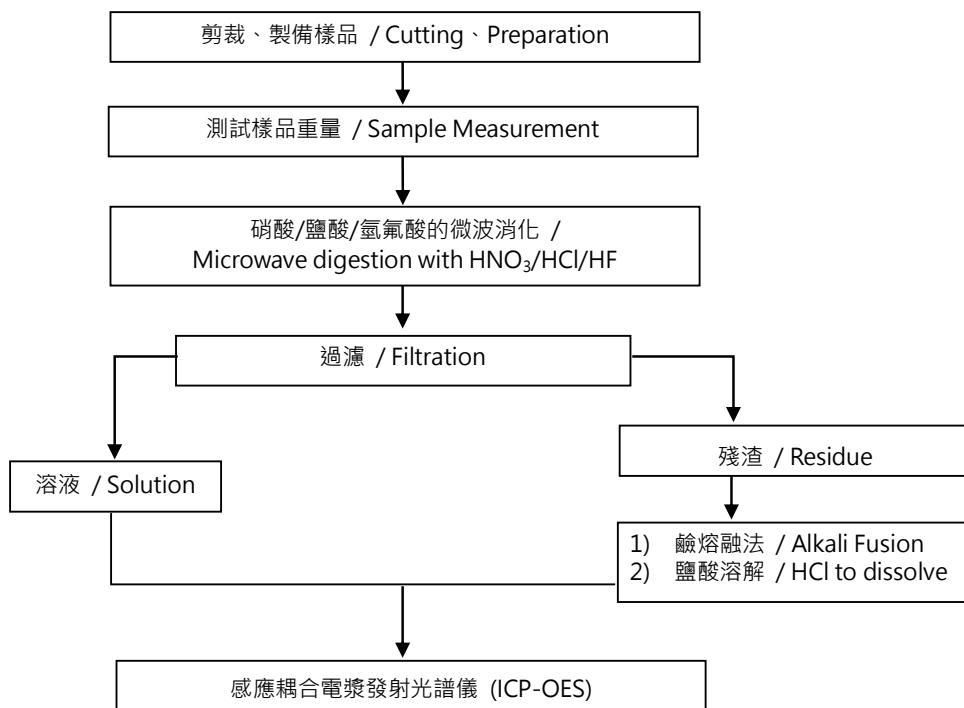
廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

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

根據以下的流程圖之條件，樣品已完全溶解。

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

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



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

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

# 測試報告

## Test Report

號碼(No.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 25 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

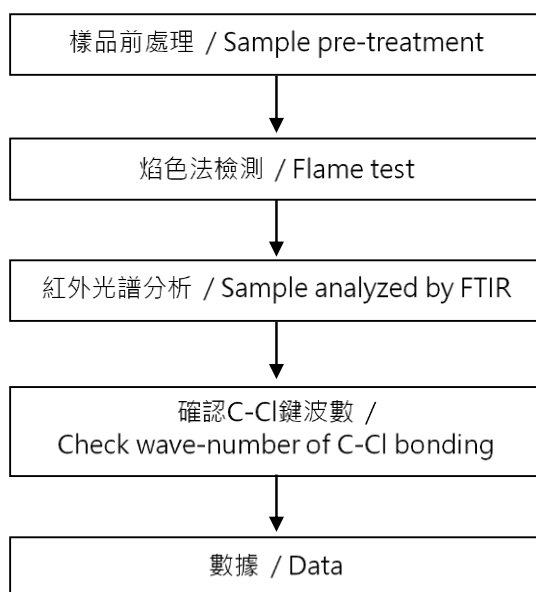
南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 聚氯乙稀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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 26 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

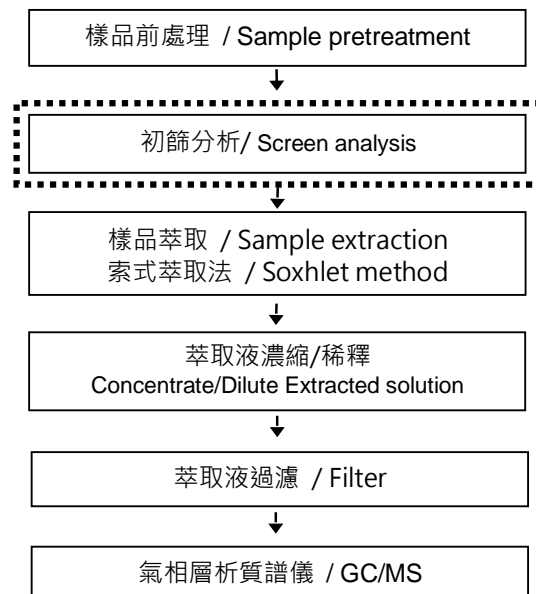
台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

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

初次測試程序 / First testing process —————→  
 選擇性篩檢程序 / Optional screen process .....  
 確認程序 / Confirmation process - - - ->



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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 27 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

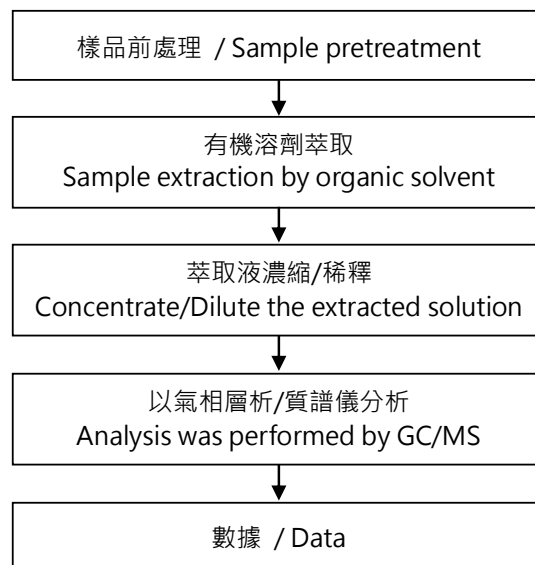
江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 28 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

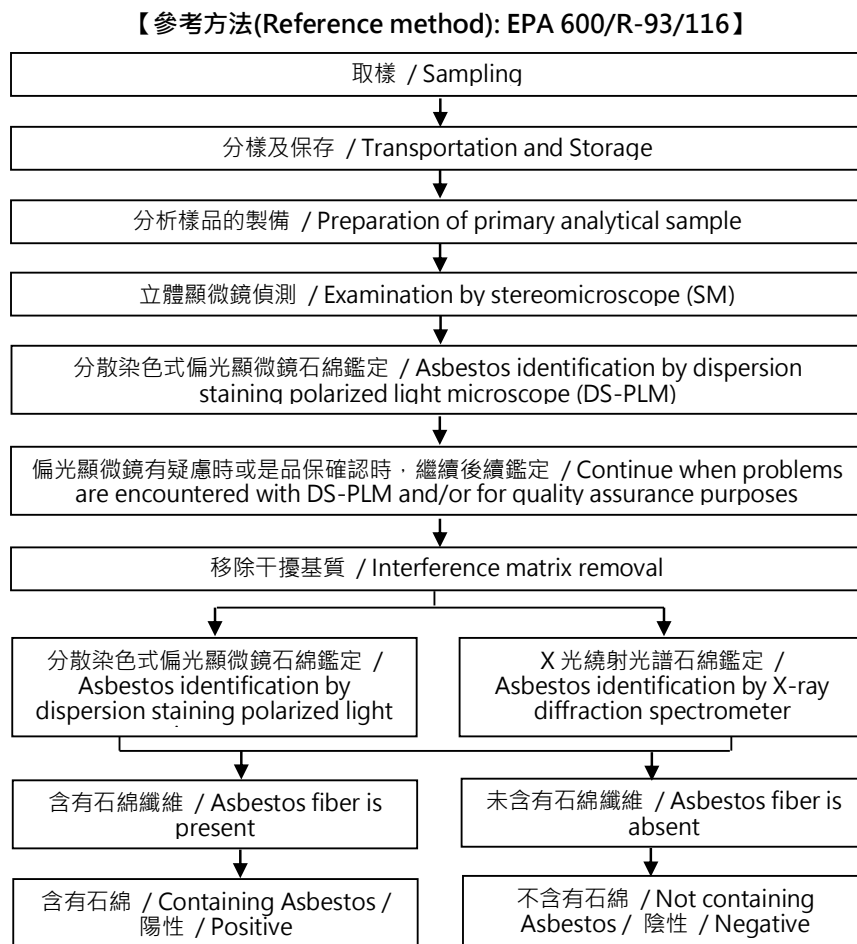
南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

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



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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 29 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

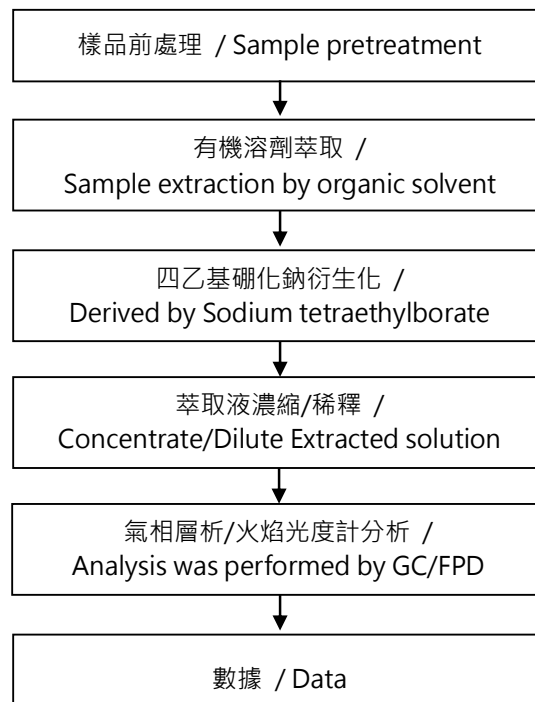
南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 30 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

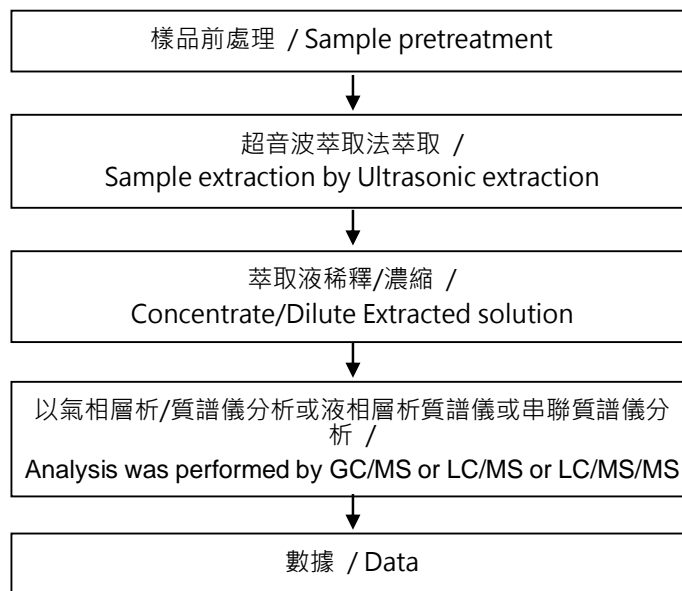
南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 31 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

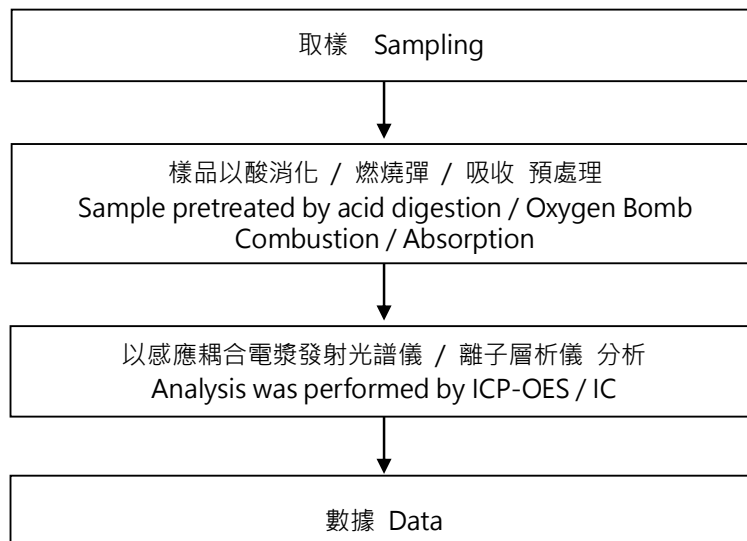
南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 32 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

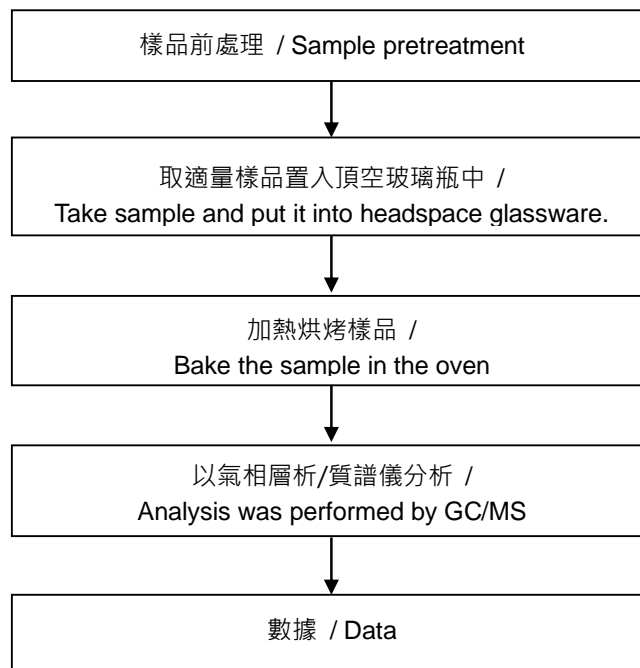
台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 33 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

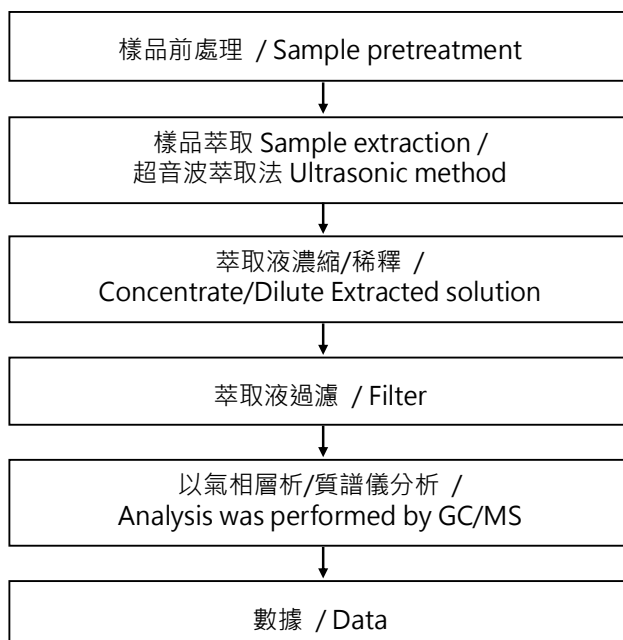
台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 分析流程圖 / Analytical flow chart

\* 適用於 / Apply to: 富馬酸二甲酯(DMFU)、六溴環十二烷(HBCDD)、乙二醇醚及其酯類(Ethylene glycol ether)、有機磷化合物(Organic phosphorus compounds)、BNST



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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 34 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

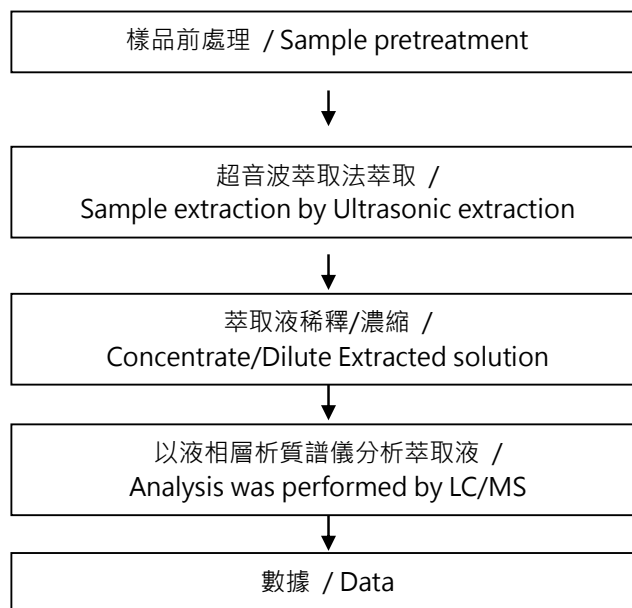
台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 分析流程圖 / Analytical flow chart

\* 適用於 / Apply to: NP、OP、4-t-OP、NPEO、OPEO



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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 35 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

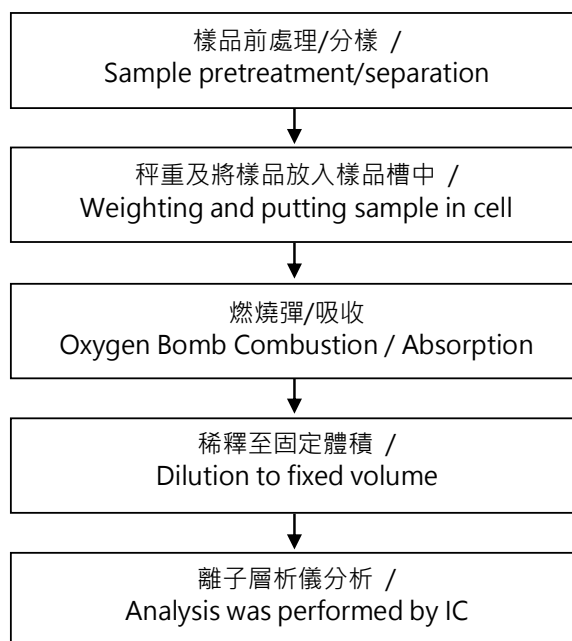
南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 36 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

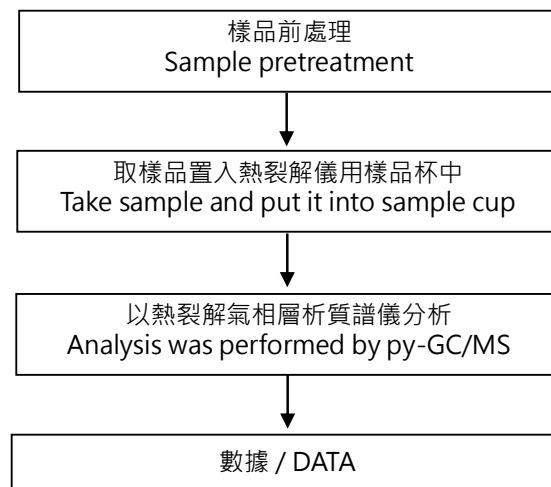
南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 37 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

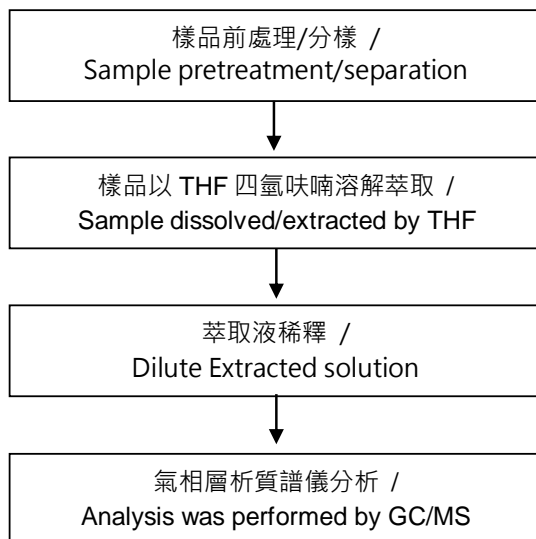
台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

### 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.): ETR22800034

日期(Date): 08-Aug-2022

頁數(Page): 38 of 38

南亞塑膠工業股份有限公司 (NAN YA PLASTICS CORPORATION)

南亞電子材料(昆山)有限公司 (NANYA ELECTRONIC MATERIALS (KUNSHAN) CORP. LTD.)

南亞電子材料(惠州)有限公司 (NAN YA ELECTRONIC MATERIALS (HUIZHOU) CORP., LTD)

台北市松山區敦化北路201號 (NO. 201 TUNG HWA NORTH ROAD, SONGSHAN DIST., TAIPEI, TAIWAN, R.O.C.)

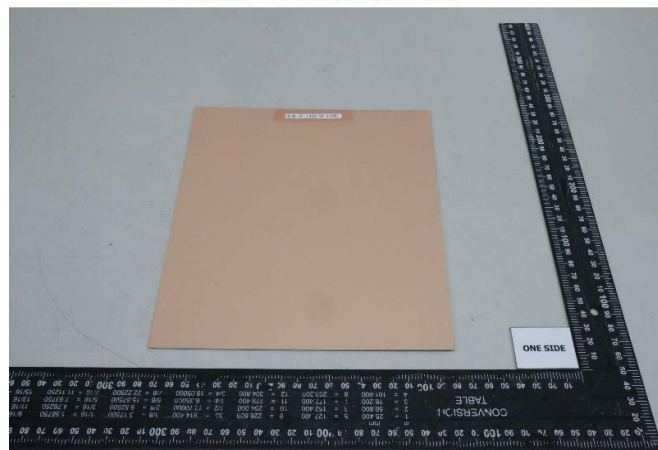
江蘇省昆山市昆山經濟技術開發區長江南路201號 (201 CHANG JIANG ROAD(S) KUNSHAN ECONOMIC & TECHNICAL DEVELOPMENT ZONE, KUNSHAN, JIANG SU, CHINA 215300)

廣東省惠州市博羅縣石灣鎮永石大道230號 (NO. 230, YONGSHI BOULEVARD SHIWAN TOWN BOLUO COUNTY HUIZHOU CITY GUANG DONG)

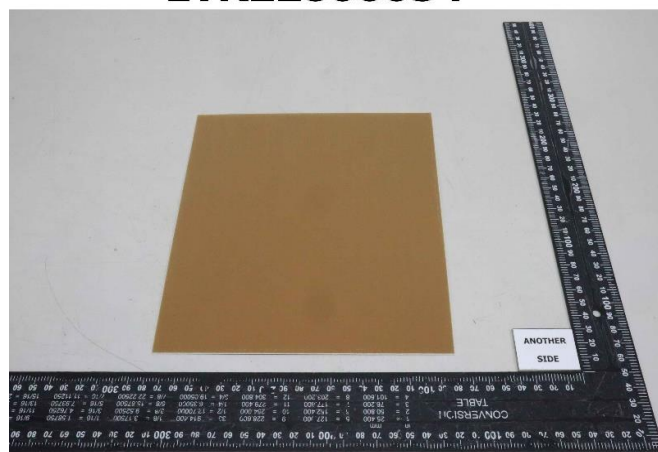
\* 照片中如有箭頭標示，則表示為實際檢測之樣品/部位。\*

(The tested sample / part is marked by an arrow if it's shown on the photo.)

### ETR22800034



### ETR22800034



\*\* 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.