



Specification for Approval

| | | Date: 2019 | /10/03 | | |
|---|---|-----------------|------------|-----------|------------|
| | Custon | ner: | | _ | |
| | TAI-TECH P/N: | TNH353229N | IF-SERIES | | |
| | CUSTOMER P/N: | | | | |
| | DESCRIPTION: | | | | |
| | QUANTITY: | | pcs | | |
| REI | MARK: | | | | |
| | | | | | |
| | Cus | stomer Approval | Feedback | | |
| | | | | | |
| ■ 西北臺慶科技股份有限公司 TAI-TECH Advanced Electro <u>Headquarter:</u> NO.1 YOU 4TH ROAD, YOUTH INDI TAO-YUAN HSIEN, TAIWAN, R.O.C. TEL: +886-3-4641148 FAX: +886- http://www.tai-tech.com.tw E-mail: sales@tai-tech.com.tw | JSTRIAL DISTRICT, YANG-ME | | | | |
| Office: | | 1 | Sales Dep. | | 1 |
| 深圳辦公室 11BC,Building B Fortune Plaza,NO | .7002, Shennan Avenue, Futi | ian | APPROVED | CHECKED | |
| District Shenzhen TEL: +86- 755-23972371 FAX: +86 | -755-23972340 | | 管哲頎 | 劉瑷瑄 | |
| □ 臺慶精密電子(昆山)有限公 TAI-TECH ADVANCED ELEC SHINWHA ROAD, KUNJIA HI-TEC JIANG-SU, CHINA | TRONICS(KUNSHAN) CO THE INDUSTRIAL PARK, KUN-S | | Eric Kuan | Aries Liu | |
| TEL: +86-512-57619396 FAX: +8 E-mail: sales@tai-tech.cn | o-312-37619688 | | R&D Center | | |
| □ 慶邦電子元器件(泗洪)有限公TAIPAQ ELECTRONICS (SIHC | | | APPROVED | CHECKED | DRAWN |
| Sihong development zone Suqian (TEL: +86-527-88601191 FAX: +86- E-mail: sales@taipaq.cn | City, Jiangsu , CHINA. | | 楊祥忠 | 羅偉軒 | 孔妍暄 |
| | | | Mike Yang | Happy Lo | Chloe Kung |

SMD Pulse Transformer

TNH353229NF-SERIES

| ECN HISTORY LIST | | | | | | |
|------------------|----------|-------------|----------|---------|-------|--|
| REV | DATE | DESCRIPTION | APPROVED | CHECKED | DRAWN | |
| 1.0 | 19/10/03 | 新發行 | 楊祥忠 | 羅偉軒 | 孔妍暄 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 供 | , | | | | | |
| 備 | | | | | | |
| 註 | | | | | | |

www.tai-tech.com.tw

SMD Pulse Transformer

TNH353229NF-SERIES

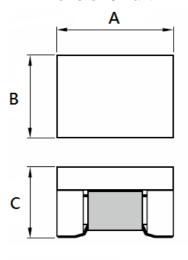
1. Features

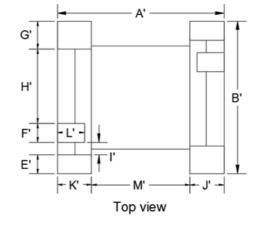
- 1. SMD type pulse transformers.
- 2. TNH353229NF is small size and low profile 3.50X3.20X2.9 mm.
- 3. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
- 4. Operating temperature -40~ +85 $^{\circ}$ C (Including self temperature rise)

(Halogen) Halogen-free



2. Dimension / Part Dimension



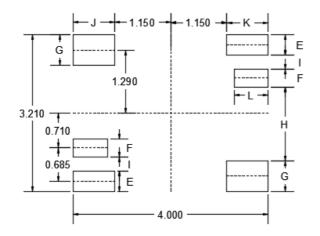


Dimensions in mm

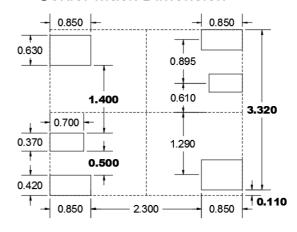
| Series | A(mm) | B(mm) | C(mm) | E'(mm) | F'(mm) | G'(mm) | H'(mm) | ľ(mm) | J'(mm) | K'(mm) | L'(mm) | M'(mm) |
|----------|-----------|-----------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 353229NF | 3.50±0.20 | 3.20±0.20 | 2.90 max | 0.4±0.06 | 0.4±0.06 | 0.58±0.06 | 1.56±0.10 | 0.26±0.06 | 0.72±0.06 | 0.72±0.06 | 0.57±0.06 | 2.06±0.10 |

Units: mm

Recommended PC Board Pattern



Solder Mask Dimension



| Series | D(mm) | E(mm) | F(mm) | G(mm) | H(mm) | l(mm) | J(mm) | K(mm) | L(mm) |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 353229NF | 4.00 | 0.42 | 0.37 | 0.63 | 1.50 | 0.29 | 0.85 | 0.85 | 0.70 |

Units: mm

www.tai-tech.com.tw

3. Part Numbering



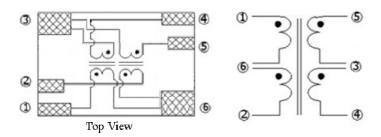
A: Series

B: Dimension AxBxC
C: Material Ferrite Core
D: RoHs F=Lead Free
E: Inductance 181=180 uH

4. Specification

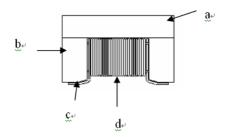
| TAI-TECH Part Number | Inductance (uH) DC BIAS 0mA ①to② or ④to⑤ | Test Frequency (Hz/V) | Insertion loss (Max) | Cp Capacitance (pF) ③to⑥ | Turns ratio ①to② : ④to⑤ |
|-------------------------|--|--------------------------|-------------------------|-----------------------------------|-------------------------|
| TNH353229NF-121 | 120uH(Min) | 100K/0.1 | 1M-100MHz -1.0dB Max | 35pF MAX | 1:1 |
| TNH353229NF-181 | 180uH (Min) | 100K/0.1 | 1M-100MHz -1.0dB Max | 35pF MAX | 1:1 |

5. Schematic Diagram



6. Materials

| No. | Description | Specification |
|-----|-------------|----------------------|
| a. | Upper Plate | Ferrite |
| b. | Core | Ferrite Core |
| С | Termination | Ag/Ni/Sn |
| d | Wire | Enameled Copper Wire |



7. Reliability and Test Condition

| Item | Performance | Test Condition |
|----------------------------|--|--|
| Operating temperature | -40~ +85℃ (Including self - temperature rise) | |
| Storage temperature | -40~ +85°C (on board) | |
| Electrical Performance Tes | st | |
| Ls | | HP-4291A+HP-16092A |
| Ср | Refer to standard electrical characteristics list. | HP-4192A |
| Insertion Loss | | Agilent E5071C |
| Reliability Test | | |
| Life Test | | Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles) Temperature: 85±2°C Applied current: rated current Duration: 1000±12hrs Measured at room temperature after placing for 24±2 hrs |
| Load Humidity | | Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles Humidity: $85\pm2\%$ R.H, Temperature: $85\%\pm2\%$ Duration: 1000hrs Min. with 100% rated current Measured at room temperature after placing for 24 ± 2 hrs |
| Moisture Resistance | Appearance: No damage. Inductance: within±10% of initial value Cp: within ±15% of initial value and shall not Insertion Loss: within Specification | Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles 1. Baked at50°C for 25hrs, measured at room temperature after placing for 4 hrs. 2. Raise temperature to 65±2°C 90-100%RH in 2.5hrs, and keep 3 hours, cool down to 25°C in 2.5hrs. 3. Raise temperature to 65±2°C 90-100%RH in 2.5hrs, and keep 3 hours, cool down to 25°C in 2.5hrs,keep at 25°C for 2 hrs then keep at -10°C for 3 hrs 4. Keep at 25°C 80-100%RH for 15min and vibrate at the frequency of 10 to 55 Hz to 10 Hz, measure at room temperature after placing for 1–2 hrs. |
| Thermal shock | | Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles Condition for 1 cycle Step1: $-40\pm2^{\circ}$ C 30 ± 5 min Step2: $25\pm2^{\circ}$ C $\underline{\le}0.5$ min Step3: $85\pm2^{\circ}$ C $\underline{\le}0.5$ min Number of cycles: $\underline{\le}0.5$ min Number of cycles: $\underline{\le}0.5$ min Measured at room temperature after placing for 24 ± 2 hrs |
| Vibration | | Oscillation Frequency: 10Hz~2KHz~10Hz for 20 minute Equipment: Vibration checker Total Amplitude:10g Testing Time: 12 hours(20 minutes, 12 cycles each of 3 orientations) Test the quantity: 15pcs |

| Item | Performance | Test Condition | | | | | | |
|------------------------------|--|--|--|--|--|--|--|--|
| Bending | Appearance : No damage. Inductance : within±10% of initial value | Shall be mounted on a FR4 substrate of the following dimensions: >=0805 inch(2012mm):40x100x1.2mm <0805 inch(2012mm):40x100x0.8mm Bending depth: >=0805 inch(2012mm):1.2mm <0805 inch(2012mm):0.8mm duration of 10 sec. | | | | | | |
| Shock | Cp: within ±15% of initial value and shall not Insertion Loss: within Specification | Type Peak Normal Wave change (g's) (ms) Wave form (Vi)ft/sec | | | | | | |
| Shock | | SMD 50 11 Half-sine 11.3 | | | | | | |
| | | Lead 50 11 Half-sine 11.3 | | | | | | |
| Solder ability | More than 95% of the terminal electrode should be covered with solder \circ | Preheat: 150°C,60sec. ° Solder: Sn96.5% Ag3% Cu0.5% Temperature: 245±5°C ° Flux for lead free: Rosin. 9.5% ° Dip time: 4±1sec ° Depth: completely cover the termination | | | | | | |
| Resistance to Soldering Heat | | Depth: completely cover the termination Temperature(°C) Time(s) Temperature ramp/immersion and emersion rate Number of heat cycles | | | | | | |
| | | 260 ±5 (solder temp) 10 ±1 25mm/s ±6 mm/s 1 | | | | | | |
| Terminal Strength | Appearance: No damage. Inductance: within±10% of initial value Cp: within ±15% of initial value and shall not Insertion Loss: within Specification | Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles With the component mounted on a PCB with the device to be tested, apply a force(>0805:1kg, <=0805:0.5kg) to the side of a device being tested. This force shall be applied for 60 +1 seconds. Also the force shall be applied gradually as not to apply a shock to the component being tested. | | | | | | |

8. Soldering and Mounting

8-1. Soldering

Mildly activated rosin fluxes are preferred. TAI-TECH terminations are suitable for all wave and re-flow soldering systems. If hand soldering cannot be avoided, the preferred technique is the utilization of hot air soldering tools.

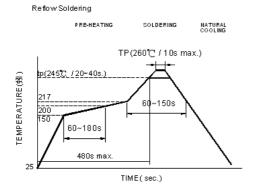
8-1.1 Solder re-flow:

Recommended temperature profiles for re-flow soldering in Figure 1.

8-1.2 Soldering Iron(Figure 2):

Products attachment with a soldering iron is discouraged due to the inherent process control limitations. In the event that a soldering iron must be employed the following precautions are recommended.

- Preheat circuit and products to 150°C
 Never contact the ceramic with the iron tip
 Use a 20 watt soldering iron with tip diameter of 1.0mm
 1.0mm tip diameter (max)
 Limit soldering time to 4–5 sec.



Reflow times: 3 times max.

Fig.1

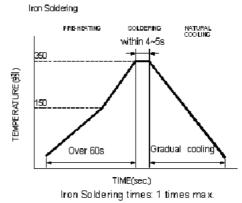
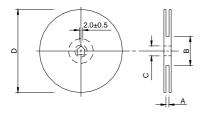
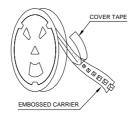


Fig.2

9. Packaging Information

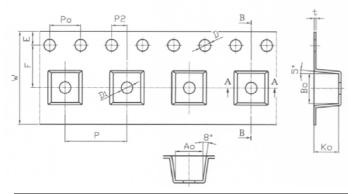
9-1. Reel Dimension





| Туре | A(mm) | B(mm) | C(mm) | D(mm) |
|----------|----------|-------|----------|-------|
| 13"x12mm | 12.5±0.5 | 100±2 | 13.5±0.5 | 330 |

9-2. Tape Dimension / 12mm

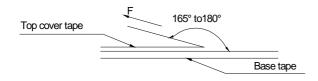


| Series | P(mm) | Po(mm) | P2(mm) | Bo(mm) | Ao(mm) | Ko(mm) | D(mm) | D1(mm) | E(mm) | F(mm) | W(mm) | t(mm) |
|-------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------|-----------|------------|-----------|
| TNH353229NF | 8.00±0.10 | 4.00±0.10 | 2.00±0.05 | 3.90±0.10 | 3.55±0.10 | 3.20±0.10 | 1.05+0.10/-0.00 | 1.50±0.10 | 1.75±0.10 | 5.50±0.05 | 12.00±0.10 | 0.30±0.05 |

9-3. Packaging Quantity

| Chip size | Chip/Reel | Inner Box | Carton |
|-------------|-----------|-----------|--------|
| TNH353229NF | 2000 | 4000 | 32000 |

9-4. Tearing Off Force



The force for tearing off cover tape is 15 to 80 grams in the arrow direction under the following conditions.

| Room Temp. | Room Humidity | Room atm | Tearing Speed |
|------------|---------------|----------|---------------|
| (℃) | (%) | (hPa) | mm/min |
| 5~35 | 45~85 | 860~1060 | 300 |

Application Notice

• Storage Conditions(component level)

To maintain the solderability of terminal electrodes:

- ${\tt 1.\ TAI-TECH\ products\ meet\ IPC/JEDEC\ J-STD-020D\ standard-MSL,\ level\ 1.}$
- 3. Recommended products should be used within 6 months form the time of delivery.
- 4. The packaging material should be kept where no chlorine or sulfur exists in the air.
- Transportation
 - 1. Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- 2. The use of tweezers or vacuum pick up is strongly recommended for individual components.
- 3. Bulk handling should ensure that abrasion and mechanical shock are minimized.

www.tai-tech.com.tw



Test Report

號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 1 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

(慶邦電子元器件(泗洪)有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

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

樣品名稱(Sample Description)

: WIREWOUND SERIES

樣品型號(Style/Item No.)

WCM、WCL、HSF、HDMI、DVI、BCM、PCM、TCM、LCM、LPF 、TXF、ACM、DCM、

WIH · BPH · TNH · YCM · STF · APO · TLM · SWFS SERIES

收件日期(Sample Receiving Date)

2019/03/13

測試期間(Testing Period)

: 2019/03/13 to 2019/03/19

測試結果(Test Results) :

請參閱下一頁 (Please refer to following pages).



This document is issued by the Company subject to Its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sas.com/sn/terms-and-conditions/terms



號碼(No.) : CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 2 of 14

Test Report

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺廣精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

(慶邦電子元器件(泗洪)有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P.R, CHINA)

測試結果(Test Results)

測試部位(PART NAME)No.1

整體混測 (MIXED ALL PARTS)

| 測試項目 (Test Items) | 單位 (Unit) | 测試方法 (Method) | 方法偵測 極限値 (MDL) | 結果 (Result) No.1 |
|----------------------------------|--------------|---|----------------------|------------------------|
| 鎬 / Cadmium (Cd) | mg/kg | 参考IEC 62321-5 (2013),以感應耦合電 漿原子發射光譜儀檢測. / With reference to IEC 62321-5 (2013) and performed by ICP-AES. | 2 | n. d. |
| 鉛 / Lead (Pb) | mg/kg | | 2 | n. d. |
| 汞 / Mercury (Hg) | mg/kg | 参考IEC 62321-4:2013+AMD1:2017,以感 應耦合電漿原子發射光譜儀檢測. / With reference to IEC 62321- 4:2013+AMD1:2017 and performed by ICP-AES. | 2 | n. d. |
| 六價鉻 / Hexavalent Chromium Cr(VI) | mg/kg | 参考IEC 62321-7-2 (2017),以UV-VIS檢 測. / With reference to IEC 62321-7- 2 (2017) and performed by UV-VIS. | 8 | n. d. |
| 多溴聯苯總和 / Sum of PBBs | mg/kg | | | n. d. |
| 一溴聯苯 / Monobromobiphenyl | mg/kg | 参考IEC 62321-6 (2015),以氣相層析儀 -/質譜儀檢測. / With reference to IEC -62321-6 (2015) and performed by -GC/MS. | 5 | n, d, |
| 二溴聯苯 / Dibromobiphenyl | mg/kg | | 5 | n. d. |
| 三溴聯苯 / Tribromobiphenyl | ng/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. |

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/en/lerms-and-conditions/lerms-e-document, 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.



Test Report

號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 3 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

(慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

| 測試項目 (Test Items) | 單位 (Unit) | 測試方法 (Method) | 方法偵測 極限値 (MDL) | 結果 (Result) No.1 |
|--|--------------|---|----------------------|------------------------|
| 多溴聯苯醚總和 / Sum of PBDEs | mg/kg | | | n. d. |
| 一溴聯苯醚 / Monobromodiphenyl ether | mg/kg | 1 [| 5 | n. d. |
| 二溴聯苯醚 / Dibromodiphenyl ether | mg/kg | 1 | 5 | n. d. |
| 三溴聯苯醚 / Tribromodiphenyl ether | mg/kg | | 5 | n. d. |
| 四溴聯苯醚 / Tetrabromodiphenyl ether | mg/kg | 参考IEC 62321-6 (2015),以氣相層析儀 | 5 | n. d. |
| 五溴聯苯醚 / Pentabromodiphenyl ether | mg/kg | /質譜儀檢測. / With reference to IEC - -62321-6 (2015) and performed by | 5 | n. d. |
| 六溴聯苯醚 / Hexabromodiphenyl ether | mg/kg | GC/MS. | 5 | n. d. |
| 七溴聯苯醚 / Heptabromodiphenyl ether | mg/kg | OO BIG. | 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. |
| 鹵素 / Halogen | | | | |
| 鹵素(氟)/ Halogen-Fluorine (F) (CAS No.: 14762-94-8) | mg/kg | 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. | 50 | n. d. |
| 鹵素(氣)/ Halogen-Chlorine (C1) (CAS No.: 22537-15-1) | mg/kg | | 50 | n. d. |
| 鹵素(溴)/ Halogen-Bromine (Br) (CAS No.: 10097-32-2) | mg/kg | | 50 | n, d, |
| 鹵素 (碘) / Halogen-Iodine (I) (CAS No.: 14362-44-8) | mg/kg | | 50 | n. d. |
| 全氟辛烷磺酸 / Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide) | mg/kg | 参考US EPA 3550C (2007),以液相層析 儀/質譜儀檢測. / With reference to US EPA 3550C (2007). Analysis was performed by LC/MS. | 10 | n. d. |
| 全氟辛酸 / PFOA (CAS No.: 335-67-1) | mg/kg | | 10 | n. d. |
| 聚氯乙烯 / PVC | ** | 以紅外光譜分析及焰色法檢測. / Analysis was performed by FTIR 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.sus.com/en/lems-and-conditions/ferms-e-document. 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 approved of the Company, Any unautriorized 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.

25, Wu Chyuan 7th Road, New Talpei Industrial Park, Wu Ku District, New Talpei City, Talwan /新北市五般區新北東業園區五懶七路25號 SGS Tajwan Ltd. 台灣檢驗科技股份有限公司 [+886 (02)2299 3939 [+886 (02)2299 3237 www.sgs.com.tw



Test Report

號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 4 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

(慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

| 測試項目 (Test Items) | 單位 (Unit) | 測試方法 (Method) | 方法侦测 極限値 (MDL) | 結果 (Result) No.1 |
|---|--------------|---|----------------------|------------------------|
| 鄰苯二甲酸二 (2-乙基己基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7) | mg/kg | 参考IEC 62321-8 (2017),以氣相層析儀/質譜儀檢測. / With reference to IEC 62321-8 (2017). Analysis was performed by GC/MS. | 50 | n. d. |
| 鄰苯二甲酸丁苯甲酯 / BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7) | mg/kg | | 50 | n. d. |
| 鄰苯二甲酸二丁酯 / DBP (Dibutyl phthalate) (CAS No.: 84-74-2) | mg/kg | | 50 | n. d. |
| 鄭苯二甲酸二異丁酯 / DIBP (Di-isobutyl phthalate) (CAS No.: 84-69-5) | mg/kg | | 50 | n, d. |
| 鄉苯二甲酸二異癸酯 / DIDP (Di- isodecyl phthalate) (CAS No.: 26761- 40-0; 68515-49-1) | mg/kg | | 50 | n. d. |
| 鄭苯二甲酸二異壬酯 / DINP (Di- isononyl phthalate) (CAS No.: 28553- 12-0; 68515-48-0) | mg/kg | | 50 | n. d. |
| 鄭苯二甲酸二正辛酯 / DNOP (Di-n-octyl phthalate) (CAS No.: 117-84-0) | mg/kg | | 50 | n. d. |
| 鄰苯二甲酸二正己酯 / DNHP (Di-n-hexyl phthalate) (CAS No.: 84-75-3) | mg/kg | | 50 | n. d. |
| 鄰苯二甲酸二戊酯 / DNPP (Di-n-pentyl phthalate) (CAS No.: 131-18-0) | mg/kg | | 50 | n. d. |
| 六溴環十二烷及所有主要被辨別出的異構物/Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ - HBCDD) (CAS No.: 25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8)) | mg/kg · | 參考IEC 62321 (2008),以氣相層析儀/ 質譜儀檢測. / With reference to IEC 62321 (2008). Analysis was performed by GC/MS. | 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/en/terms-and-conditions.asex and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com/en/terms-and-conditions/terms-a-d-commit, 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 expensed 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.



Test Report

號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 5 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

(慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

| 測試項目 (Test Items) | 單位 (Unit) | 测試方法 (Method) | 方法偵測 極限値 (MDL) | 結果 (Result) No.1 |
|----------------------|--------------|---|----------------------|------------------------|
| 銻 / Antimony (Sb) | mg/kg | 參考US EPA 3052 (1996),以感應耦合電 漿原子發射光譜儀檢測. / With reference to US EPA 3052 (1996). Analysis was performed by ICP-AES. | 2 | n. d. |
| 皴 / Beryllium (Be) | mg/kg | 参考US EPA 3052 (1996),以感應耦合電 漿原子發射光譜儀檢測. / With reference to US EPA 3052 (1996). Analysis was performed by ICP-AES. | 2 | n. d. |

備註(Note):

- 1. mg/kg = ppm : 0.1wt% = 1000ppm
- 2. n.d. = Not Detected (未檢出)
- 3. MDL = Method Detection Limit (方法偵測極限值)
- 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. 樣品的測試是基於申請人要求混合測試,報告中的混合測試結果不代表其中個別單一材質的含量. (The samples was/were analyzed on behalf of the applicant as mixing sample in one testing. The above results was/were only given as the informality value.)

PFOS参考資訊(Reference Information): 持久性有機污染物 POPs - (EU) 757/2010

PFOS濃度在物質或製備中不得超過0,001%(10ppm),在半成品、成品或零部件中不得超過0.1%(1000ppm),在紡織品或 塗層材料中不得超過1µg/m²。

(Outlawing PFOS as substances or preparations in concentrations above 0.001% (10ppm), in semi-finished products or articles or parts at a level above 0.1%(1000ppm), in textiles or other coated materials above 1µg/m².)

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/en/ferms-and-conditions/ferms

SGS Tailwan Ltd. 台灣檢檢科技股份有限公司 25, Wu Cinyuan /rin Noad, New Taiper Industrier cas, Yeu www.sgs.com.tw 25, Wu Chyuan 7th Road, New Talpei Industrial Park, Wu Ku District, New Talpei City, Taiwan /新北市五股區新北岸業園區五種七路25號



Test Report

號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

百數(Page): 6 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

(慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

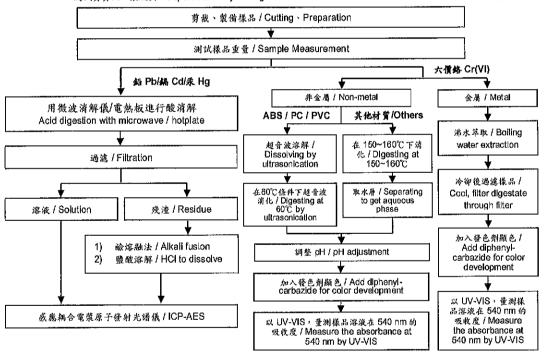
(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

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

根據以下的流程圖之條件,樣品已完全溶解。(六價銘測試方法除外)

These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded)

- 测试人員:陳思臻 / Technician : Rita Chen
- 测試負責人:張啟興 / Supervisor: Troy Chang



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/en/terms-and-conditions/terms



Test Report

號碼(No.); CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 7 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

(慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

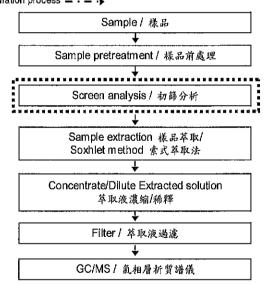
(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

多溴聯苯/多溴聯苯醚分析流程圖 / Analytical flow chart - PBB/PBDE

测試人員: 涂雅苓 / Technician: Yaling Tu

測試負責人:張啟興 / Supervisor: Troy Chang

初次測試程序 / First testing 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 <a href="https://www.scs.com/en/terms-and-conditions/errms



Test Report

號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 8 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

(慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

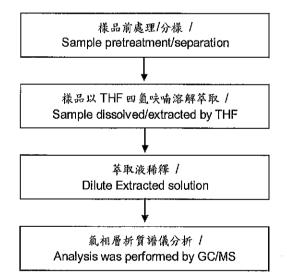
(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

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

測試人員:涂雅苓 / Technician: Yaling Tu

測試負責人:張啟興 / Supervisor: Troy Chang

【测試方法/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 <a href="https://www.sas.com/en/lerms-and-conditions/terms-end-conditions/terms



Test Report

號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 9 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

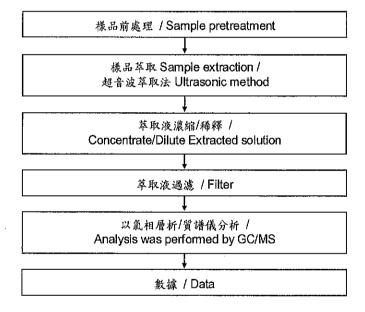
(慶邦電子元器件(泗洪)有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P. R., CHINA)

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

- 測試人員:涂雅苓 / Technician: Yaling Tu
- 測試負責人:張啟興 / Supervisor: Troy Chang



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sus.com/en/lerms-and-Conditions.ferms



Test Report

號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 10 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

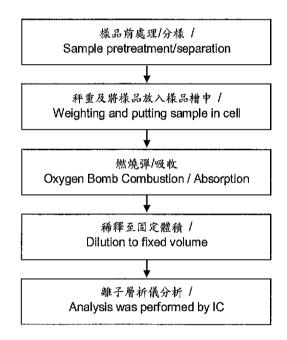
(慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

(江蘇省昆山市蓬朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P. R, CHINA)

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

- 測試人員:陳恩臻 / Technician: Rita Chen
- 測試負責人:張啟興 / Supervisor: Troy Chang



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/en/Terms-and-Conditions/service-and-C



Test Report

號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 11 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

(慶邦電子元器件(泗洪)有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

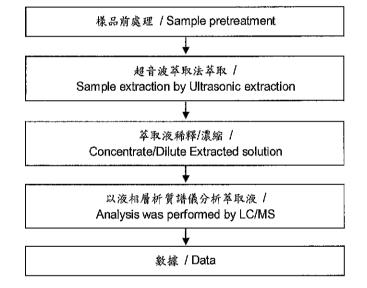
桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

全氟辛酸/全氟辛烷磺酸分析流程圖 / Analytical flow chart - PFOA/PFOS

測試人員:涂雅苓 / Technician: Yaling Tu

測試負責人:張啟興 / Supervisor: Troy Chang



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sas.com/en/lems-and-conditions/tems-e-document, Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any hotder of this document is adultsed that information contained herein 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 approved 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.



Test Report

號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 12 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

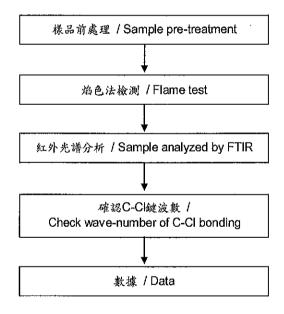
(慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

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

- 測試人員:涂雅苓 / Technician: Yaling Tu
- 測試負責人:張啟興 / Supervisor: Troy Chang



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sas.com/en/terms-and-conditions/terms



Test Report

號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 13 of 14

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

(慶邦電子元器件(泗洪)有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

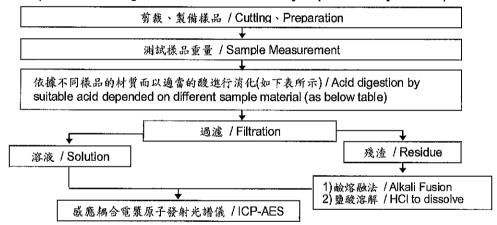
桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

> 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.

- 測試人員: 陳恩臻 / Technician: Rita Chen
- 測試負責人:張啟興 / Supervisor: Troy Chang

元素以 ICP-AES 分析的消化流程圖 (Flow Chart of digestion for the elements analysis performed by ICP-AES)



| 鋼,銅,銘,焊錫 / Steel, copper, aluminum, solder | 王水,硝酸,鹽酸,氫氯酸,雙氧水 / |
|---|--|
| 玻璃 / Glass | Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂ 磷酸,氨氟酸 / HNO ₃ /HF |
| 金,鉑,鲍,陶瓷 / Gold, platinum, palladium, ceramic | 王水 / Aqua regia |
| 銀 / Silver | 硝酸 / HNO3 |
| 塑膠 / Plastic | 硫酸,雙氧水,硝酸,鹽酸 / H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCI |
| 其他 / Others | 加入適當的試劑至完全溶解 / Added appropriate reagent to total digestion |

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sis.com/en/lems-and-Conditions/ferms-assertand-Conditions/ferms-and-Conditions/f



號碼(No.): CE/2019/33002

日期(Date): 2019/03/19

頁數(Page): 14 of 14

Test Report

西北臺慶科技股份有限公司 / TAI-TECH ADVANCED ELECTRONICS CO., LTD.

(臺慶精密電子(昆山)有限公司 / TAI-TECH ADVANCED ELECTRONICS (KUN-SHAN) CO., LTD.)

(慶邦電子元器件 (泗洪) 有限公司 / TAIPAQ ELECTRONICS (SI-HONG) CO., LTD.)

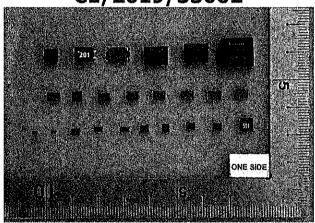
桃園市楊梅區幼獅工業區幼四路1號 (NO. 1, YOU 4TH ROAD, YOUTH INDUSTRIAL DISTRICT, YANG-MEI, TAO-YUAN CITY, TAIWAN, R. O. C.)

(江蘇省昆山市篷朗昆嘉高科技工業區郭澤路 / GUO-ZE ROAD, KUNJIA HI-TECH INDUSTRIAL PARK, KUN-SHAN, JIANG-SU, CHINA) (中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P. R., CHINA)

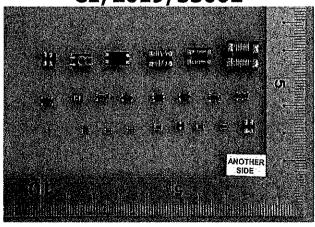
* 照片中如有箭頭標示,則表示為實際檢測之樣品/部位. *

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

CE/2019/33002



CE/2019/33002



** 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.ags.com/en/Terms-and-Conditions/serms-e-document, Attention is crewn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein contained therein. Any holder of this document is advised that information contained herein contained the information contained herein contained herein the information contained herein contained herein the information of the information that the information contained herein the information contained herein the information that the information inform

25, Wu Chyuan 7th Road, New Taipel Industrial Park, Wu Ku District, New Taipel City, Taiwan /所計市五製區新北產業園區五種七路25號 t+886 (02)2299 3939 f+886 (02)2299 3237 www.sqs.com.tw

单击下面可查看定价,库存,交付和生命周期等信息

>>TAI-TECH(台庆)