Winding Type Chip Inductor

SWC1608RF-SERIES(T)-H

REV	DATE	DESCRIPTION	APPROVED	CHECKED	DRAWN
1.0	19/05/06	新發行	楊祥忠	徐鋒強	何玉蓮
1.1	19/07/31	1.Features 文字敘述更新 2.尺寸更改為正負公差 3.增加 1R0,150.180,220 感值	楊祥忠	徐鋒強	孔妍暄
備					
註					

Winding Type Chip Inductor

SWC1608RF-SERIES(T)-H

1. Features

- 1. Ferrite core wire wound construction.
- 2. High Reliability due to wire wound type construction.
- 3. Small footprint as well as low profile.
- 4. 100% Lead(Pb) & Halogen-Free and RoHS compliant.
- 5. Operating temperature-40~+125°C (Including self temperature rise)
- 6. These products provide low DC resistance and high current.
- 7. Precision inductance tolerance is available.
- 8. Application for DC power line.

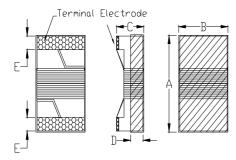
Digital camera and other electronic equipment

Personal computers, Hard disk drives

Mobile Device / Handheld Device / LowProfile Device / Panel

xDSL modem and Cable modem

2. Dimensions



Size A		В	С	D	E
SWC1608	1.60±0.2	1.00±0.2	1.00±0.1	0.60 ref.	0.35±0.1

Unit:mm

3. Part Numbering



A: Series

B: Dimension L x W

C: Control S/N

D: Lead free type

E: Inductance 100=10 uH F: Inductance Tolerance $K=\pm10\%$, $M=\pm20\%$

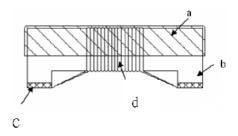
G: Control S/N

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q/MHz Typ.	SRF (MHz) Typ.	DCR (Ω) ±30%	IDC (mA) Typ.	Irms (mA) Typ.
SWC1608RF-1R0_T-H	1	K,M	0.5V/7.9M	16/7.9	390	0.32	860	700
SWC1608RF-2R2_T-H	2.2	K,M	0.5V/7.9M	16/7.9	103	0.56	600	580
SWC1608RF-4R7_T-H	4.7	K,M	0.5V/7.9M	16/7.9	51	0.97	400	420
SWC1608RF-6R8_T-H	6.8	K,M	0.5V/7.9M	16/7.9	43	1.5	340	340
SWC1608RF-100_T-H	10	K,M	0.5V/2.5M	14/2.5	36	1.85	280	280
SWC1608RF-150_T-H	15	K,M	0.5V/2.5M	14/2.5	29	2.6	240	240
SWC1608RF-180_T-H	18	K,M	0.5V/2.5M	14/2.5	28	2.9	220	220
SWC1608RF-220_T-H	22	K,M	0.5V/2.5M	14/2.5	24	3.61	200	200

5. Materials

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



6. Reliability and Test Condition

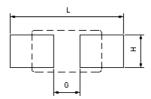
Item	Performance	Test Condition
Operating temperature	-40~+125℃ (Including self - temperature rise)	
Storage temperature	-40~+125℃ (on board)	
Electrical Performance	Test	-
Inductance L		Agilent-4291, Agilent-4287 , Agilent-E4991A
Q		Agilent-4192, Agilent-4285
SRF	Refer to standard electrical characteristic list	Agilent-4291 , Agilent-E4991A Agilent-4192
DC Resistance		Agilent-34420A
IDC	△L≦20%	Applied the current to coils, the inductance change shall be less than 20% to initial value.
		Heat Rated Current (Irms) will cause the coil temperature rise
Irms	∆T≦40°C	△T(°C) without core loss.
		Applied the allowed DC current. Temperature measured by digital surface thermometer.
Reliability Test		2. Tomporatoro mododrod by digital outlabo thomometer
Life Test		Preconditioning: Run through IR reflow for 2 times.(IPC/JEDEC J-STD-020DClassification Reflow Profiles) Temperature: 125±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±2*R.H, Temperature: 85°C±2°C 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 Q: Shall not exceed the specification value. RDC: within ±15% of initial value and shall not exceed the specification value	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: $-40\pm2^{\circ}\mathbb{C}$ 30 \pm 5min Step2: $25\pm2^{\circ}\mathbb{C} \le 0.5$ min Step3: $125\pm2^{\circ}\mathbb{C} = 30\pm5$ min Number of cycles: 500
Vibration		Measured at room temperature after placing for 24±2 hrs 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	Con	dition	
Bending		Shall be mounted on a FR4 substrate of the following dimensions: >=0805 inch(2012mm):40x100x1.2mm <0805 inch(2012mm):40x100x0.8mm Bend05 inch(2012mm):0.8mm Sed05 inch(2012mm):0.8mm duration of 10 sec.					
Shock	Appearance: No damage. Inductance: within±10% of initial value Q: Shall not exceed the specification value. RDC: within ±15% of initial value and shall not exceed the specification value	Туре	Peak value (g's)	Norm duration (ms)	n (D))	Wave form	Velocity change (Vi)ft/sec
	oloco the openioanon raide	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。	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 Depth: completely cover the termination					
Resistance to Soldering Heat		Temper	rature(°C)	Time(s)	Tem ramp/	nperature l'immersion nersion rate	Number of heat cycles
3			0 ±5 er temp)	10 ±1	25mm	/s ±6 mm/s	1
Terminal Strength	Appearance: No damage. Inductance: within±10% of initial value Q: Shall not exceed the specification value. RDC: within ±15% of initial value and shall not exceed the specification value	Preconditioning: Run through IR reflow for 2 J-STD-020DClassification Reflow Profiles With the component mounted on a PCB with the component mounted the compo			Profiles a PCB with <=0805:0.5i shall be a oplied gradu sted.	the device to be kg)to the side of a upplied for 60 +1	

7. Soldering and Mounting

7-1. Recommended PC Board Pattern

Chip size							Pattern		
Series	Туре	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	L(mm)	G(mm)	H(mm)
SWC	1608	1.60±0.2.	1.0±0.1.	1.0±0.1	0.60 ref	0.35±0.1	1.92	0.92	1.02



7-2. 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.

7-2.1 Lead Free Solder re-flow:

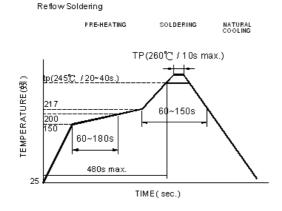
Recommended temperature profiles for lead free re-flow soldering in Figure 1.

7-2.2 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.

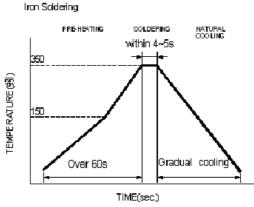
- Preheat circuit and products to 150 $^{\circ}\mathrm{C}$
- Never contact the ceramic with the iron tip
- Use a 20 watt soldering iron with tip diameter of 1.0mm

- 350 $^{\circ}$ C tip temperature (max)
- 1.0mm tip diameter (max)
- Limit soldering time to 4~5 sec.



Reflow times: 3 times max.

Fig.1

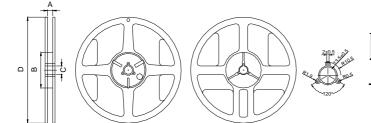


Iron Soldering times: 1 times max.

Fig.2

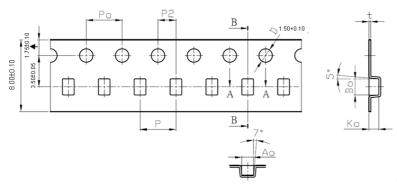
8. Packaging Information

8-1. Reel Dimension



Type A(mm)		B(mm)	C(mm)	D(mm)	
7"x8mm	9.0±0.5	60±2	13.5±0.5	178±2	

8-2. Tape Dimension / 8mm(black anti-static electricity carrier tape)



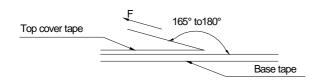
7"x12mm

Series	P(mm)	Po(mm)	P2(mm)	Bo(mm)	Ao(mm)	Ko(mm)	t(mm)
SWC	4.00±0.10	4.00±0.10	2.00±0.05	1.88±0.05	1.30±0.05	1.10±0.05	0.20±0.02

8-3. Packaging Quantity

swc	1608
Chip / Reel	4000
Reel Size	7"x8mm

8-4. 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:

- 1.TAI-TECH products meet IPC/JEDEC J-STD-020D standard-MSL, level 1.
- 3. Recommended products should be used within 12 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.





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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(FILM BACKING)

樣品型號(Stvle/Item No.)

SWF · SWC_F · PAS · WCM-L2NF · SWF-LF · SWFA SERIES

收件日期(Sample Receiving Date)

2018/08/31

測試期間(Testing Period)

2018/08/31 TO 2018/09/07

測試結果(Test Results) :

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



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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)	測試方法 (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	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.
汞 / Mercury (Hg)	mg/kg	参考IEC 62321-4 (2013),以感應耦合電漿原子發射光譜儀檢測. / With reference to IEC 62321-4 (2013) and performed by ICP-AES.	2	n. d.
六價络 / 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.

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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)
多溴聯苯總和 / Sum of PBBs	mg/kg			No. 1 n. d.
一溴聯苯 / Monobromobiphenyl	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		<u> </u>	
五溴聯苯 / Pentabromobiphenyl	mg/kg		<u>5</u>	n. d.
六溴聯苯 / Hexabromobiphenyl	mg/kg		<u>5</u>	n. d. n. d.
七溴聯苯 / Heptabromobiphenyl	mg/kg		<u>5</u>	n. d.
へ溴聯苯 / Octabromobiphenyl	mg/kg		<u>5</u>	n. d.
九溴聯苯 / Nonabromobiphenyl	mg/kg		<u>5</u>	n. d.
十溴聯苯 / Decabromobiphenyl	mg/kg	參考IEC 62321-6 (2015),以氣相層析儀/質	5	
多溴聯苯醚總和 / Sum of PBDEs	mg/kg	譜儀檢測. / With reference to IEC 62321-		n. d.
一溴聯苯醚 / Monobromodiphenyl ether	mg/kg	6 (2015) and performed by GC/MS.	5	n. d. n. d.
二溴聯苯醚 / Dibromodiphenyl ether	mg/kg		5	n. d.
三溴聯苯醚 / Tribromodiphenyl ether	mg/kg		5	
四溴聯苯醚 / Tetrabromodiphenyl ether	mg/kg		5	n. d. n. d.
五溴聯苯醚 / Pentabromodiphenyl ether	mg/kg		5	
六溴聯苯醚 / Hexabromodiphenyl ether	mg/kg		5	n. d. n. d.
七溴聯苯醚 / Heptabromodiphenyl ether	mg/kg		5	
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 5	n. d. n. d.

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測試項目 (Test Items)	單位 (Unit)	測試方法 (Method)	方法偵測 極限值 (MDL)	結果 (Result) No.1
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.
鄰苯二甲酸二 (2-乙基己基)酯 / DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	mg/kg	參考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.
鄰苯二甲酸二異丁酯 / DIBP (Di-isobutyl phthalate) (CAS No.: 84-69-5)	mg/kg		50	n. d.
鄰苯二甲酸二異癸酯 / DIDP (Di- isodecyl phthalate) (CAS No.: 26761- 40-0; 68515-49-1)	mg/kg		50	n. d.
鄰苯二甲酸二異壬酯 / DINP (Di- isononyl phthalate) (CAS No.: 28553- 12-0; 68515-48-0)	mg/kg		50	n. d.
鄰苯二甲酸二正辛酯 / 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.

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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
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.
鹵素 / Halogen				
鹵素(氟)/ Halogen-Fluorine (F) (CAS No.: 14762-94-8)	mg/kg	参考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.
銻 / Antimony (Sb)	mg/kg	参考US EPA 3050B (1996),以感應耦合電漿原子發射光譜儀檢測. / With reference to US EPA 3050B (1996). Analysis was performed by ICP-AES.	2	n. d.
鈹 / Beryllium (Be)		参考US EPA 3050B (1996),以感應耦合電漿原子發射光譜儀檢測. / With reference to US EPA 3050B (1996). Analysis was performed by ICP-AES.	2	n. d.

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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
全氟辛烷磺酸 / Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide)		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	10	n. d.
全氟辛酸 / PFOA (CAS No.: 335-67-1)	mg/kg	LC/MS.	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

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參考資訊(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 $1\mu g/m^2$.)

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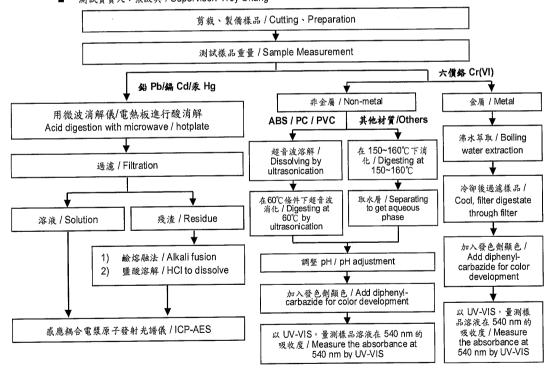
重金屬流程圖 / Analytical flow chart of Heavy Metal

根據以下的流程圖之條件,樣品已完全溶解。(六價鉻測試方法除外)

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

測試人員:陳恩臻 / Technician : Rita Chen

測試負責人:張啟興 / Supervisor: Troy Chang



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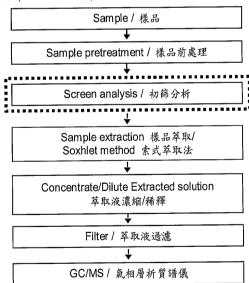
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多溴聯苯/多溴聯苯醚分析流程圖 / Analytical flow chart - PBB/PBDE

■ 測試人員: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 - · - →





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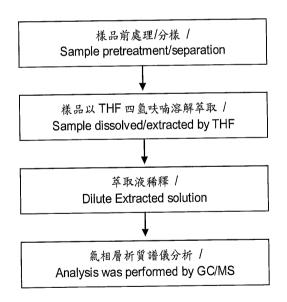
(中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

<u>可塑劑分析流程圖 / Analytical flow chart - Pht</u>halate

測試人員:涂雅苓 / Technician: Yaling Tu

測試負責人:張啟興 / Supervisor: Troy Chang

【測試方法/Test method: IEC 62321-8】



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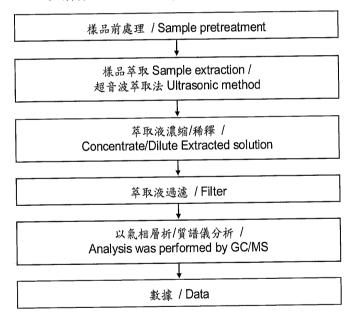
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六溴環十二烷分析流程圖 / Analytical flow chart - HBCDD

測試人員:涂雅苓 / Technician: Yaling Tu

測試負責人:張啟興 / Supervisor: Troy Chang



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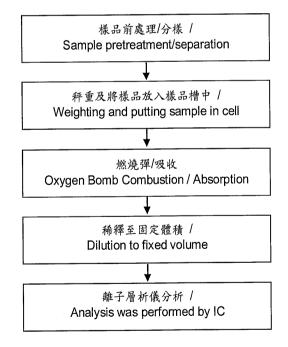
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<u> 鹵素分析流程圖 / Analytical flow chart - Halogen</u>

測試人員:陳恩臻 / Technician: Rita Chen

測試負責人:張啟興 / Supervisor: Troy Chang



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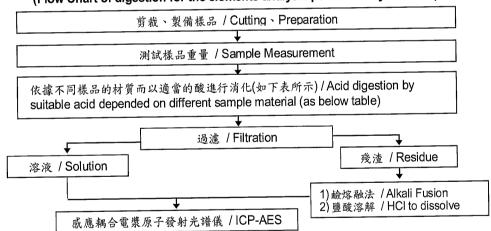
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> 根據以下的流程圖之條件,樣品已完全溶解。 / These samples were dissolved totally by pre-conditioning method according to below flow chart.

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)



王水,硝酸,鹽酸,氫氟酸,雙氧水 / Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂
硝酸,氫氟酸 / HNO ₃ /HF
王水 / Aqua regia
硝酸 / HNO ₃
硫酸,雙氧水,硝酸,鹽酸 / H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCI
加入適當的試劑至完全溶解 / Added appropriate reagent to total digestion

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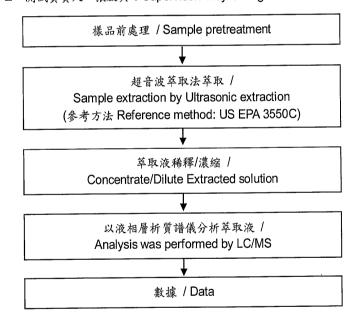
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全氟辛酸/全氟辛烷磺酸分析流程圖 / Analytical flow chart - PFOA/PFOS

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



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1910 | 1817 | 1817 | 1817 | 1817 | 1817 | 1817 | 1817 | 1817 | 1817 | 1817 | 1817 | 1817 | 1817 | 1817 | 1817

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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,

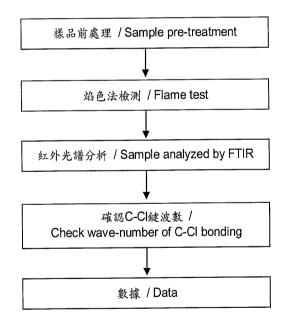
JIANG-SU, CHINA)

(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



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號碼(No.): CE/2018/86013

日期(Date): 2018/09/07

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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.)

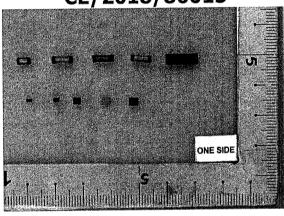
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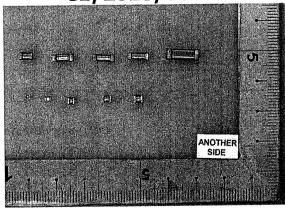
(中國,江蘇省,宿遷市,泗洪縣,經濟開發區杭州路南側,建設北路東側 / THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD, ECONOMIC DEVELOPMENT ZONE, SIHONG COUNTY, SUQIANCITY, JIANGSU PROVINCE, P, R, CHINA)

> * 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.)

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** 報告結尾 (End of Report) **

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