

Specification for Approval

Data: 2022/09/05

		Date. 2022/	03/00	<u>, </u>		
	Custom	ier:			-	
	TAI-TECH P/N:	SWF322522N	NF-100	K		
	CUSTOMER P/N:					
	DESCRIPTION:					
	QUANTITY:		pcs	_		
REM	IARK:					
	Cus	tomer Approval I	Feedba	ck		
■ 西北臺慶科技股份有限公司 TAI-TECH Advanced Electron Headquarter: NO.1 YOU 4TH ROAD, YOUTH INDUS TAO-YUAN HSIEN, TAIWAN, R.O.C. TEL: +886-3-4641148 FAX: +886-3-4611148 FAX: +886-3-461118 FAX: +886-3-46111148 FAX: +886-3-4611118 FAX: +886-3-4611118 FAX: +886-3-461118 FAX: +88	STRIAL DISTRICT, YANG-ME		Sales [Дер.		
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Sihong development zone Suqian C TEL: +86-527-88601191 FAX: +86-5 E-mail: sales@taipaq.cn				祥忠	徐鋒強	何玉蓮
			Mik	e Yang	Gemini Hs	u Anna Ho

Winding Type Chip Inductor

SWF322522NF-100K

	ECN HISTORY LIST										
REV	DATE	DESCRIPTION	APPROVED	CHECKED	DRAWN						
1.0	22/09/05	新發行	楊祥忠	徐鋒強	何玉蓮						
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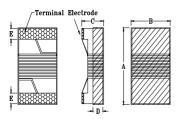
Winding Type Chip Inductor

SWF322522NF-100K

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. Application for Signal Use.
- 5.100% Lead(Pb) & Halogen-Free and RoHS compliant.
- 6. Operating temperature- $40\sim+125^{\circ}$ (Including self temperature rise)

2. Dimensions



Size	Α	В	С	D	E
SWF322522	3.60 max.	2.80 max.	2.50 max.	0.80 ref.	0.55±0.10

Unit:mm

3. Part Numbering



A: Series

B: Dimension A x B x C
C: Application For Signal Use

D: Lead Free Code

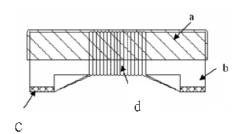
E: Inductance 100=10.0uH F: Inductance Tolerance K=±10%

4. Specification

TAI-TECH Part Number	Inductance (uH)	Tolerance	Test Frequency (Hz)	Q typ.	Test Frequency (MHz)	Rated Current (mA) max.	DCR (Ω)±30%	SRF (MHz) typ.
SWF322522NF-100K	10.0	K	0.5V/2.52M	20	2.52	520	0.36	28

5. Materials

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



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6. Reliability and Test Condition

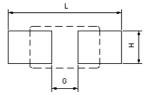
Item	Performance	Test Condition		
Operating temperature	-40~+125℃ (Including self - temperature rise)			
Storage temperature	-40~+125℃ (on board)			
Electrical Performance Tes	st			
Inductance L		Agilent E4991A , Keysight E4991B ,Keysight 4980AL		
Q		Agilent-4287, Agilent-4285		
SRF		Agilent E4991A , Keysight E4991B		
DC Resistance	Refer to standard electrical characteristic list	Agilent-34420A Agilent-4338B		
Rated Current		Applied the current to coils, the inductance change shall be less than 20% to initial value.		
Reliability Test				
Life Test		Preconditioning: Run through IR reflow for 3 times.(IPC/JEDEC J-STD-020E Classification Reflow Profiles) Temperature: 125±2°C Applied current: rated current Duration: 1000±12hrs Measured at room temperature after placing for 24 hrs.		
Load Humidity		Preconditioning: Run through IR reflow for 3 times.(IPC/JEDEC J-STD-020E Classification Reflow Profiles Humidity: $85\pm3\%$ R.H, Temperature: $85^\circ \pm 2^\circ \oplus 1000$ Duration: 1000hrs Min. Bead: with 100% rated current Inductance: with 10% rated current Measured at room temperature after placing for 24 hrs.		
	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 3 times.(IPC/JEDEC J-STD-020E Classification Reflow Profiles 1. Baked at50°C for 25hrs, measured at room temperature after placing for 4 hrs. 2. Raise temperature to $65\pm2°C$ 90-100%RH in 2.5hrs, and keep 3 hours, cool down to $25°C$ in 2.5hrs. 3. Raise temperature to $65\pm2°C$ 90-100%RH in 2.5hrs, and keep 3 hours, cool down to $25°C$ in 2.5hrs, 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 3 times.(IPC/JEDEC J-STD-020E Classification Reflow Profiles Condition for 1 cycle Step1: -40±2°C 30±5min Step2: 125±2°C ≤0.5min Step3: 125±2°C 30±5min Number of cycles: 500 Measured at room temperature after placing for 24 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) •		

Item	Performance	Test Condition					
Bending	Appearance:No damage.	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.					
	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	Type Peak value duration (D) Wave form Change (Vi)ft/sec					
Shock		SMD 50 11 Half-sine 11.3					
		Lead 50 11 Half-sine 11.3 3 shocks in each direction along 3 perpendicular axes. (18 shocks).					
Solderability	More than 95% of the terminal electrode should be covered with solder。	a. Method B, 4 hrs @155°C dry heat @235°C±5°C Testing Time :5 +0/-0.5 seconds b. Method D category 3. (8hours ± 15 min)@ 260°C±5°C Testing Time :30 +0/-0.5 seconds					
Resistance to Soldering Heat		Depth: completely cover the termination Temperature (°C) Time(s) Temperature ramp/immersion and emersion rate 260 ±5 (solder 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 3 times.(IPC/JEDEC J-STD-020E Classification Reflow Profiles With the component mounted on a PCB with the device to be tested, apply a force(>0805.148), <=0805.05.05kg)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.					

7. Soldering and Mounting

7-1. Recommended PC Board Pattern

Chip size							l Pattern ow Sold		
Series	Туре	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	L(mm)	G(mm)	H(mm)
SWF	322522	3.60max	2.80max	2.50max	0.80 ref.	0.55±0.1	3.82	2.00	2.80



7-2. Soldering

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

7-2.1 IR Soldering Reflow:

Recommended temperature profiles for lead free re-flow soldering in Figure 1. Table 1.1&1.2 (J-STD-020E)

7-2.2 Soldering Iron:

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. (Figure 2.)

- 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[°]C tip temperature (max)
- 1.0mm tip diameter (max)
- Limit soldering time to 4~5sec.

Fig.1 IR Soldering Reflow

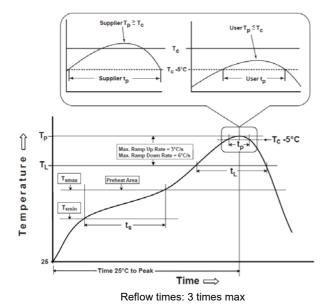
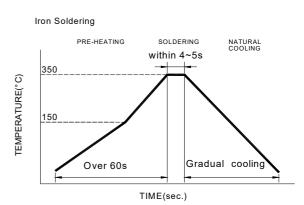


Fig.2 Iron soldering temperature profiles



Iron Soldering times: 1 times max

Table (1.1): Reflow Profiles

Profile Type:	Pb-Free Assembly
$eq:total_continuous_cont$	150°C 200°C 60-120seconds
Ramp-up rate(T _L to T _p)	3°ℂ/second max.
Liquidus temperature(T _L) Time(t _L)maintained above T _L	217°C 60-150 seconds
Classification temperature(T _c)	See Table (1.2)
$\label{eq:tp} \mbox{Time}(t_p) \mbox{ at Tc-} \mbox{ 5}^{\circ} \mbox{$^{\circ}$} \mbox{ (Tp should be equal to or less than Tc.)}$	< 30 seconds
Ramp-down rate(T _p to T _L)	6°C /second max.
Time 25°℃ to peak temperature	8 minutes max.

Tp: maximum peak package body temperature, Tc: the classification temperature.

For user (customer) Tp should be equal to or less than Tc.

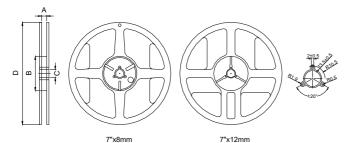
Table (1.2) Package Thickness/Volume and Classification Temperature (T_c)

	Package	Volume mm ³	Volume mm ³	Volume mm ³
	Thickness	<350	350-2000	>2000
	<1.6mm 260°C		260°C	260°C
PB-Free Assembly	1.6-2.5mm	260°C	250°C	245°C
	≥2.5mm	250°C	245°C	245°C

Reflow is referred to standard IPC/JEDEC J-STD-020E ∘

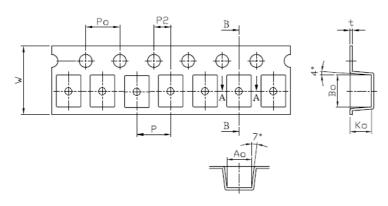
8. Packaging Information

8-1. Reel Dimension



Туре	A(mm)	B(mm)	C(mm)	D(mm)	
7"x8mm	9.0±0.5	60.0±2.0	13.5±0.5	178.0±2.0	

8-2. Tape Dimension / 8mm

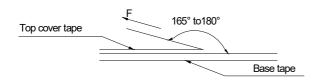


Series	Size	P(mm)	Po(mm)	P2(mm)	Bo(mm)	Ao(mm)	Ko(mm)	W(mm)	t(mm)
SWF	322522	4.00±0.10	4.00±0.10	2.00±0.05	3.72±0.10	2.88±0.10	2.50±0.10	8.00±0.10	0.26±0.05

8-3. Packaging Quantity

SWF	322522
Chip / Reel	2000
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-020E 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.
- ${\it 3. Bulk\ handling\ should\ ensure\ that\ abrasion\ and\ mechanical\ shock\ are\ minimized.}$

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Test Report

號碼(No.): ETR22803193

日期(Date): 24-Aug-2022

頁數(Page): 1 of 15

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

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

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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 the applicant as):

樣品名稱(Sample Name)

: WIREWOUND SERIES (FILM BACKING)

樣品型號(Style/Item No.)

SWF \ SWC_F \ PAS \ WCM-L2NF \ SWF-LF \ SWFA \ SWF(SWC) \

ACMU · WCMU · WCM-F2SN · TTC SERIES

收件日(Sample Receiving Date)

17-Aug-2022

測試期間(Testing Period)

17-Aug-2022 to 24-Aug-2022

測試需求(Test Requested)

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

測試結果(Test Results)

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

Troy Chand / Department Malager Signed for and on behalf of Alwahl SGS TAIWAN LTD.
Chemical Laboratory - Taipei



PIN CODE: 932414CC

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SGS Faiwan Lid. 分寫檢驗科技股份有限公司



Test Report

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日期(Date): 24-Aug-2022

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測試部位敘述 (Test Part Description)

No.1

: 整體混測 (MIXED ALL PARTS)

測試結果 (Test Results)

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

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SGS Taisvan Lid 台灣旅歌科技股份有限公司



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測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result) No.1
		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)	& 老店の 62221 で 2015 - 以気担展に <i>様 /</i> 蘇謙僕ハ	mg/kg	5	n.d.
多溴聯苯總和 (Sum of PBBs)	參考IEC 62321-6: 2015,以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015,	mg/kg		n.d.
一溴聯苯醚 (Monobromodiphenyl ether)	analysis was performed by GC/MS.)	mg/kg	5	n.d.
二溴聯苯醚 (Dibromodiphenyl ether)	analysis was performed by GC/1013.)	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.

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3GS Taiwan Ltd. 台灣檢驗科技股份有限公司



Test Report

號碼(No.): ETR22803193

日期(Date): 24-Aug-2022

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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.)

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測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
	, , ,			No.1
鄰苯二甲酸丁苯甲酯 (BBP) (Butyl benzyl		mg/kg	50	n.d.
phthalate (BBP)) (CAS No.: 85-68-7)				
鄰苯二甲酸二丁酯 (DBP) (Dibutyl		mg/kg	50	n.d.
phthalate (DBP)) (CAS No.: 84-74-2)				
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (Di-		mg/kg	50	n.d.
(2-ethylhexyl) phthalate (DEHP)) (CAS				
No.: 117-81-7)				
鄰苯二甲酸二異丁酯 (DIBP) (Diisobutyl		mg/kg	50	n.d.
phthalate (DIBP)) (CAS No.: 84-69-5)				
鄰苯二甲酸二異癸酯 (DIDP) (Diisodecyl	 参考IEC 62321-8: 2017 · 以氣相層析儀/質譜儀分	mg/kg	50	n.d.
phthalate (DIDP)) (CAS No.: 26761-40-	析。(With reference to IEC 62321-8: 2017,			
0, 68515-49-1)	analysis was performed by GC/MS.)			
鄰苯二甲酸二異壬酯 (DINP) (Diisononyl	dilarysis was performed by defivis.	mg/kg	50	n.d.
phthalate (DINP)) (CAS No.: 28553-12-				
0, 68515-48-0)				
鄰苯二甲酸二正辛酯 (DNOP) (Di-n-octyl		mg/kg	50	n.d.
phthalate (DNOP)) (CAS No.: 117-84-0)				
鄰苯二甲酸二正戊酯 (DNPP) (Di-n-]	mg/kg	50	n.d.
pentyl phthalate (DNPP)) (CAS No.:				
131-18-0)				
鄰苯二甲酸二正己酯 (DNHP) (Di-n-hexyl		mg/kg	50	n.d.
phthalate (DNHP)) (CAS No.: 84-75-3)				

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SOS Fanyan Liti 台灣检验科技股份有限公司



Test Report

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測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result) No.1
六溴環十二烷及所有主要被辨別出的異構物(HBCDD) (α - HBCDD, β - HBCDD, γ - HBCDD) (Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ - HBCDD)) (CAS No.: 25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	參考IEC 62321-9: 2021‧以氣相層析儀/質譜儀分析。(With reference to IEC 62321-9: 2021, analysis was performed by GC/MS.)	mg/kg	20	n.d.
氟 (F) (Fluorine (F)) (CAS No.: 14762-94- 8)	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.)	mg/kg	50	n.d.
氯 (CI) (Chlorine (CI)) (CAS No.: 22537- 15-1)		mg/kg	50	n.d.
溴 (Br) (Bromine (Br)) (CAS No.: 10097- 32-2)		mg/kg	50	n.d.
碘 (I) (Iodine (I)) (CAS No.: 14362-44-8)		mg/kg	50	n.d.
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)	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.

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S.38 Tabwan Litt 台灣檢驗科技收給有限公司



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測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result) No.1
聚氯乙烯 (Polyvinyl chloride) (PVC)	參考ASTM E1252: 2013 · 以傅立葉轉換紅外線光 譜儀及焰色法分析。(With reference to ASTM E1252: 2013, analysis was performed by FT-IR and Flame Test.)	**	_	Negative
銻 (Sb) (Antimony (Sb)) (CAS No.: 7440- 36-0)	参考US EPA 3052: 1996・以感應耦合電漿發射光 譜儀分析・(With reference to US EPA 3052: 1996, analysis was performed by ICP-OES.)	mg/kg	2	n.d.
鈹 (Be) (Beryllium (Be)) (CAS No.: 7440- 41-7)	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.

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. 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.
- 8. 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.
- 9. 樣品的測試是基於申請人要求混合測試,報告中的混合測試結果不代表其中個別單一材質的含量。
 The sample(s) was/were analyzed on behalf of the applicant as mixing sample in one testing. The above result(s) was/were only given as the informality value.

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SGS Taiwan Ltd. 台灣微發科技股份有限公司



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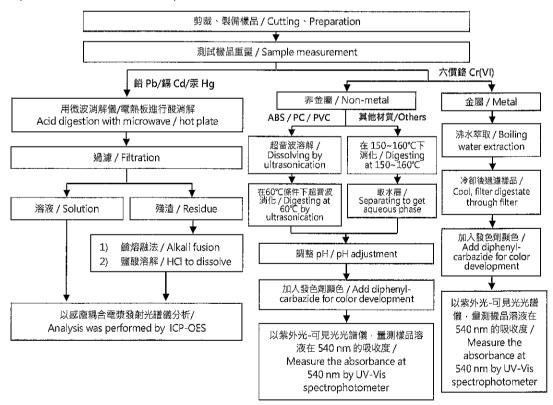
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重金屬流程圖 / Analytical flow chart of heavy metal

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. (Cr^{6+} test method excluded)



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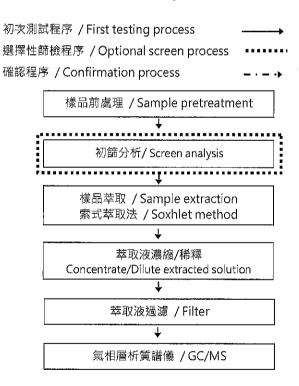
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多溴聯苯/多溴聯苯醚分析流程圖 / Analytical flow chart - PBBs/PBDEs



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5GS Farward Ltd. 台海检验科技股份有限公司



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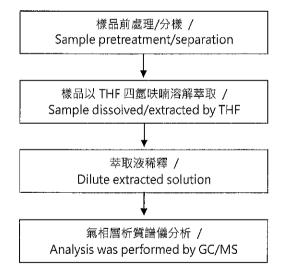
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可塑劑分析流程圖 / Analytical flow chart - Phthalate

【測試方法/Test method: JEC 62321-8】



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SGS Taiwan Ltd. 台灣檢驗科技股份有限公司



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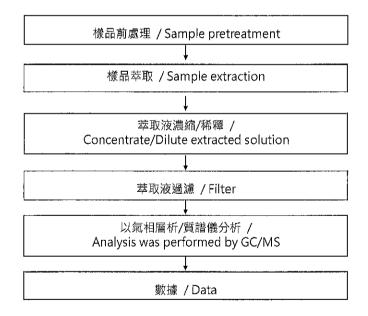
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六溴環十二烷分析流程圖 / Analytical flow chart - HBCDD



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303 Farwan Ukl 台灣檢驗科技股份有限公司



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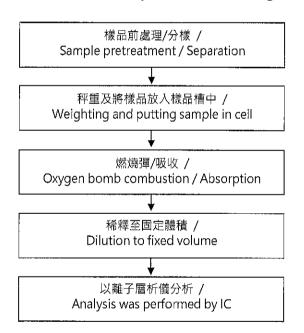
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中國,江蘇省·宿遷市·泗洪縣,經濟開發區杭州路南側,建設北路東側 (THE SOUTH HANGZHOU ROAD AND THE EAST JIANSHE ROAD · ECONOMIC DEVELOPMENT ZONE · SIHONG COUNTY · SUQIANCITY · JIANGSU PROVINCE · P,R · CHINA)

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



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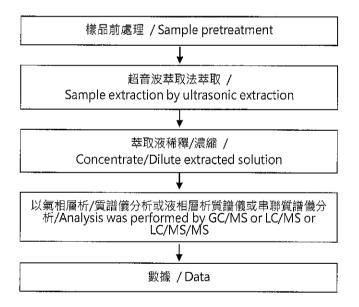
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全氟化合物(包含全氟辛酸/全氟辛烷磺酸/其相關化合物等等)分析流程圖 / Analytical flow chart – PFAS (including PFOA/PFOS/its related compound, etc.)



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SGS Tailvan Lid 台灣檢驗科技股份有限公司



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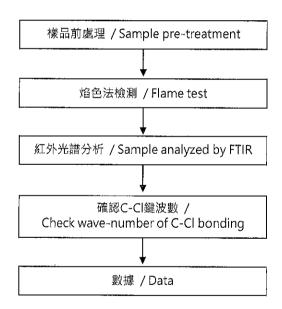
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聚氯乙烯物質判定分析流程圖 / Analysis flow chart - PVC



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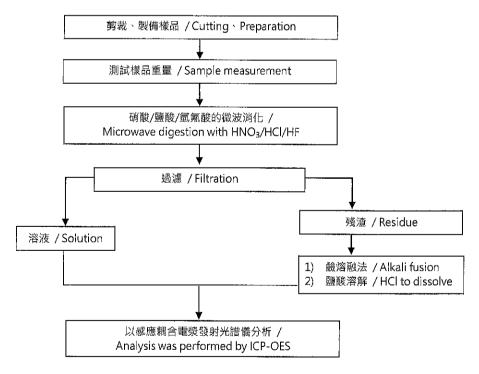
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元素(含重金屬)分析流程圖 / Analytical flow chart of elements (Heavy metal included)

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 HE.

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SOS Farwari Ltd 台灣經驗科技股份有限公司



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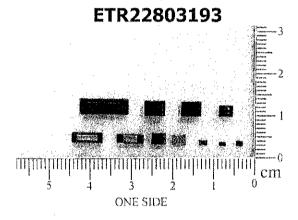
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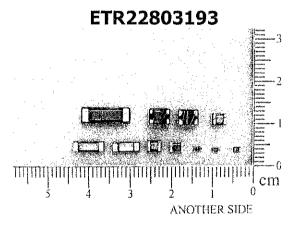
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* 照月中如有箭頭標示,則表示為實際檢測之樣品/部位. * (The tested sample / part is marked by an arrow if it's shown on the photo.)





** 報告結尾 (End of Report) **

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