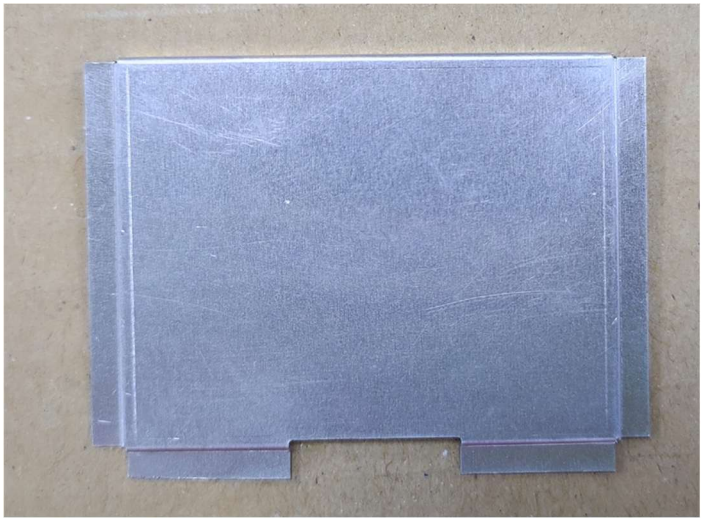
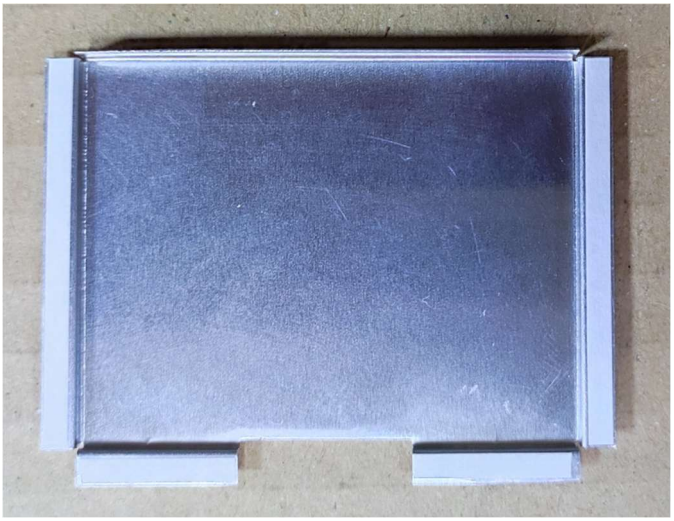
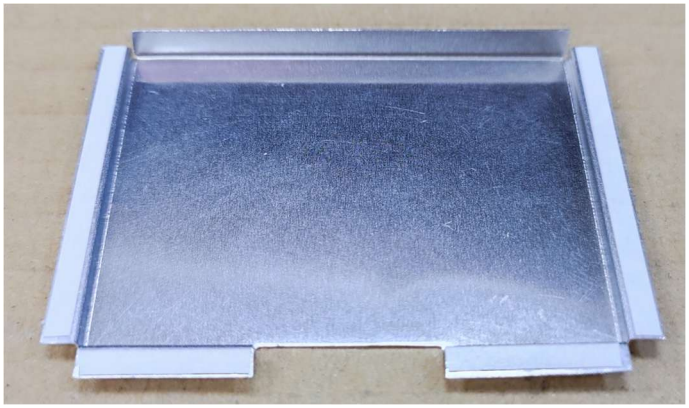
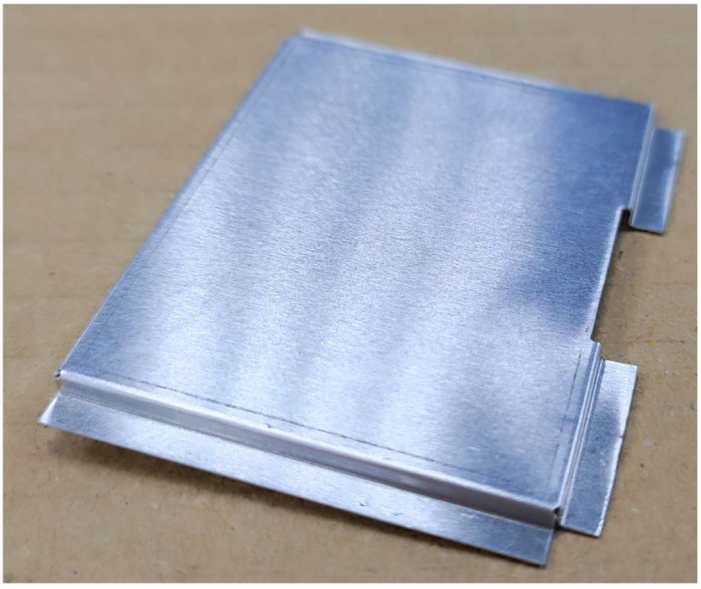










設計驗證
工程課
2025 -04- 24
發行
鈺緯科技開發股份有限公司

雄業實業股份有限公司

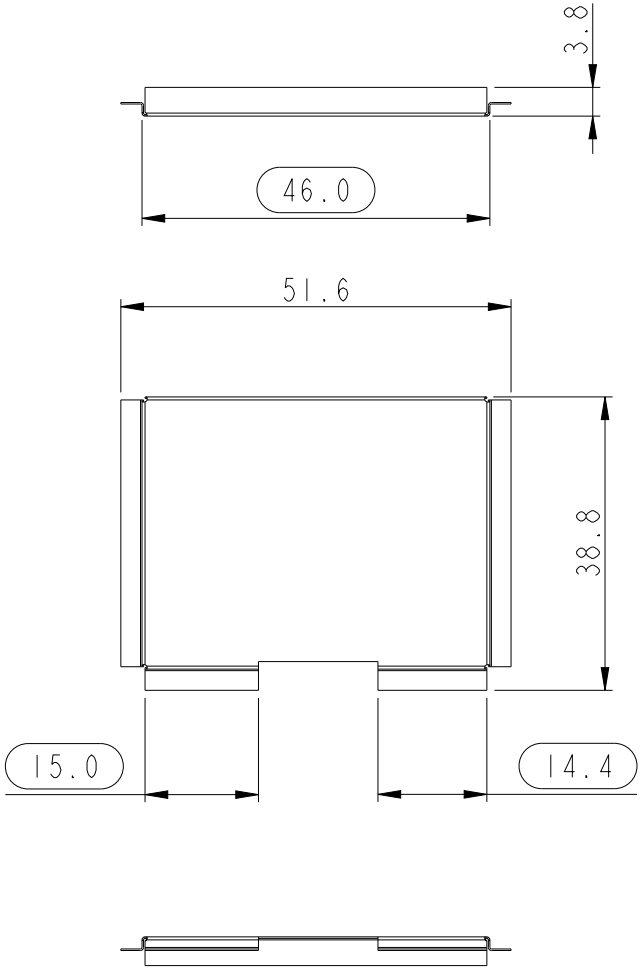
樣 品 承 認 書

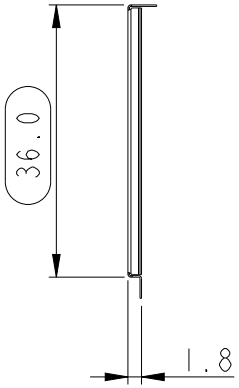
雄業實業股份有限公司
TEL:2201-9999
臺北市新莊區新樹路288-10號

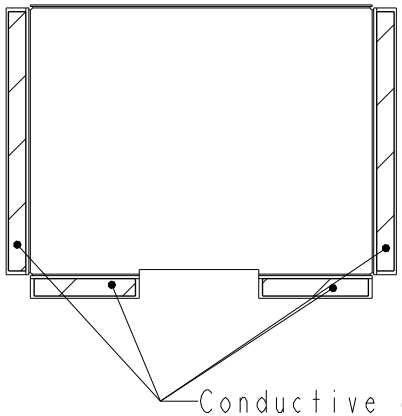
客　　戶：	鈺緯科技
料　　號：	3MD672ME010(M3511)
品　　名：	SHIELD BACK DISPLAY
日　　期：	114/4/18
送樣數量：	3　　PCS

設計驗證
工程課
2025 -04- 24
發行
鈺緯科技開發股份有限公司

REV.	DATE	DESCRIPTION	BY	APVD
	2024-08-20	FIRST RELEASE	Laslie	-
0	2025-04-22	RELEASE FOR PRODUCTION	Laslie	







Conductive acrylic adhesive: C202

設計驗證
工程課
2025 -04- 24
發行
鈺寶科技開發股份有限公司

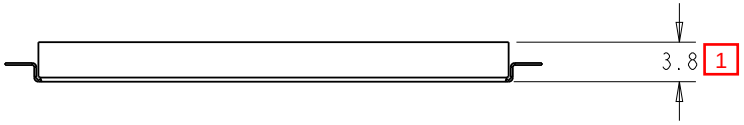
NOTE:
1.Material: 1100 Aluminium Alloy.
2.Adhesive: Conductive acrylic adhesive C202
2.RoHS Compliant.
3.DIVA QC Inspection Document NO.: QWI-014 (Metal)

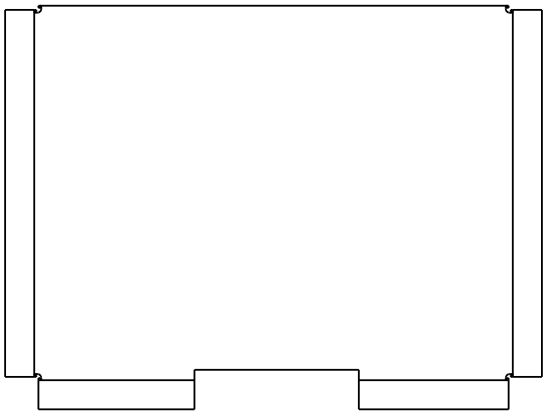
RANGE OF DIMENSION	TOLERANCE CLASS DESIGNATION			
		V		
	fine	medium	coarse	Rubber/Sponge/Mylar/Gasket
0.5 UP TO 3	±0.05	±0.1	±0.2	±0.2
OVER 3~6	±0.05	±0.1	±0.3	±0.2
OVER 6~30	±0.1	±0.2	±0.5	±0.25
OVER 30~120	±0.15	±0.3	±0.8	±0.3
OVER 120~400	±0.2	±0.5	±1.2	±0.5
OVER 400~1000	±0.3	±0.8	±2.0	±0.8
ANGLE ±1° (±1.75/100)				

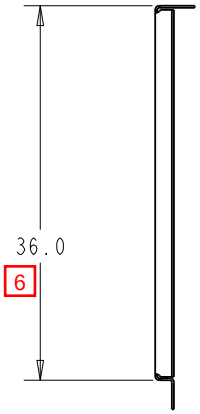
THIRD ANGLE PROJECTION

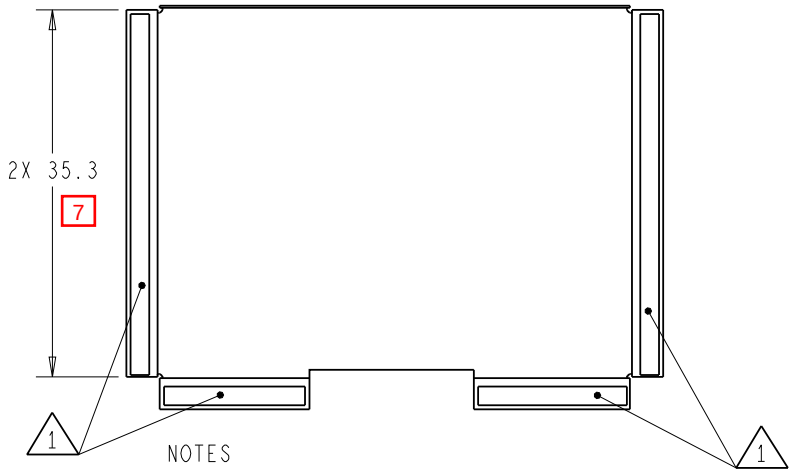
UNITS: mm	SCALE: 1/1	SHEET: 1 OF 1	MODEL NO.: 3.7 inch	
MATERIAL: See note		TREATMENT:		
DSGD by	Laslie	2024-04-23	PART NAME:	Shielding Cover
CHK by	Ferris	2024-04-23	DIVA P/N:	3MD672ME010
APVD by	Laslie	2025-04-22	GE NO.:	5966120
APVD NO.: (M3511)		3D FILE NAME: 5966120_REV1	DIVA Laboratories ,Ltd.	

5966120







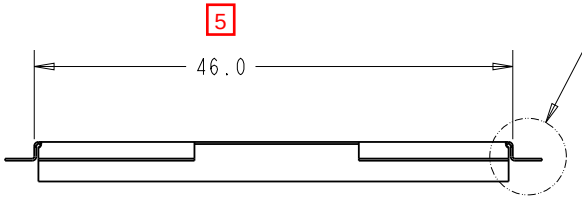


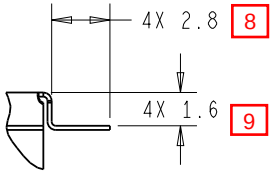
NOTES

1. ADHESIVE: ARcald AR-8001-77 (.0048")
   TO BE USED IN APPROXIMATE LOCATION SHOWN

2. ROHS COMPLIANT PER 5240305GSP - DOCUMENTATION
   LEVEL 3 OR HIGHER

DIVA NO. 3MD672ME010





DETAIL A
SCALE 4/1

1	INITIAL RELEASE	ER0016755 07-AUG-2024 SAI
Rev	(Zone) Revisions	Change No

DO NOT SCALE DRAWING
METRIC DRAWING
DIMENSIONS ARE MILLIMETERS
UNLESS OTHERWISE SPECIFIED

TOLERANCES AND FINISHES
UNLESS OTHERWISE SPECIFIED:
1) X ±0.5
X.X ±0.3
X.XX ±0.15
X° ±1°
2) MACH um 3.2√

INSP KEY: ITEMS INDICATED TO BE PART OF SUPPLIER INSPECTION PLAN.

46-274914	PART AND CONFORMANCE MARKING
5240305GSP	RoHS REQUIREMENTS
1010-0196-000	SPEC MANUFACTURING PRACTICES

DRAWN BY: SAI	DATE: 14-MAY-2024	GE HealthCare	
SCALE: 2/1	SHEET: 1 OF 1	Copyright © 2024 GE HealthCare	
THIRD ANGLE PJTN	DWG SIZE: B	TITLE: SHIELD BACK DISPLAY	
MATERIAL: .008" 1100 ALUMINUM		PART NUMBER: 5966120	

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DRAWING NUMBER 5966120DDW

State - Released (Development) Release Date (21-Aug-2024) ER0016755
Approval details stored in the electronic master, the Global MWS PLM System

Test Result	PASS

DIVA FAI DATA SHEET

Part Number :	3MD672ME010	Supplier :	雄業	Date:	2025/4/18
Part Description :	SHIELD BACK DISPLAY			Cavity / Tool # :	
Revision :	0	Material Spec:	AL1050 T=0.2mm	Inspector:	李宥廷

MOI-Method of inspection abbreviation: HG = Height gauge, MIC = Micrometer, DC = Dial Caliper, P = Protractor, OC = Optical Comparator, CG = Checking Gauge, CMM = Coordinate Measuring Machine, OMM = Optical Coordinate Measuring Machine, HT = Hardness Trester, TG = Thickness Gauge, VIS : D

OTHER:

DRAWING SPECIFICATIONS						INSPECTION RESULTS							INSPECTION ANALYSIS					
						Sample Number							% Tolerance		Alert/Rej		Supplier	RD Engineering
ITEM	LOCATION	NOMINAL	+TOL	-TOL	Method	1	2	3	1	2	3	Mean	UPPER	LOWER	HIGH	LOW	Remarks	Disposition
1	B3	3.80	0.30	0.30		3.850	3.820	3.830	0.050	0.020	0.030	3.833	17%	0%				
2	A4	15.00	0.30	0.30		15.100	15.030	15.060	0.100	0.030	0.060	15.063	33%	0%				
3	A4	15.80	0.30	0.30		15.800	15.780	15.800	0.000	-0.020	0.000	15.793	0%	7%				
4	A3	14.40	0.30	0.30		14.500	14.450	14.480	0.100	0.050	0.080	14.477	33%	0%				
5	A4	46.00	0.30	0.30		46.070	45.910	46.000	0.070	-0.090	0.000	45.993	23%	30%				
6	B3	36.00	0.30	0.30		36.060	36.000	36.030	0.060	0.000	0.030	36.030	20%	0%				
7	B2	35.30	0.30	0.30		35.300	35.240	35.260	0.000	-0.060	-0.040	35.267	0%	20%				
		35.30	0.30	0.30		35.300	35.240	35.240	0.000	-0.060	-0.060	35.260	0%	20%				
8	A2	2.80	0.30	0.30		2.720	2.760	2.740	-0.080	-0.040	-0.060	2.740	0%	27%				
		2.80	0.30	0.30		2.740	2.780	2.760	-0.060	-0.020	-0.040	2.760	0%	20%				
		2.80	0.30	0.30		2.730	2.780	2.750	-0.070	-0.020	-0.050	2.753	0%	23%				
		2.80	0.30	0.30		2.750	2.740	2.740	-0.050	-0.060	-0.060	2.743	0%	20%				
9	A2	1.60	0.30	0.30		1.680	1.670	1.680	0.080	0.070	0.080	1.677	27%	0%				
		1.60	0.30	0.30		1.600	1.680	1.660	0.000	0.080	0.060	1.647	27%	0%				
		1.60	0.30	0.30		1.600	1.640	1.620	0.000	0.040	0.020	1.620	13%	0%				
		1.60	0.30	0.30		1.650	1.560	1.600	0.050	-0.040	0.000	1.603	17%	13%				

Instructions:
1.Inspector mest fillout the yellow area.
2. The table will automatically calculate the data in green area.

雄業實業股份有限公司

■ 組立
□ 沖壓

製程作業標準書

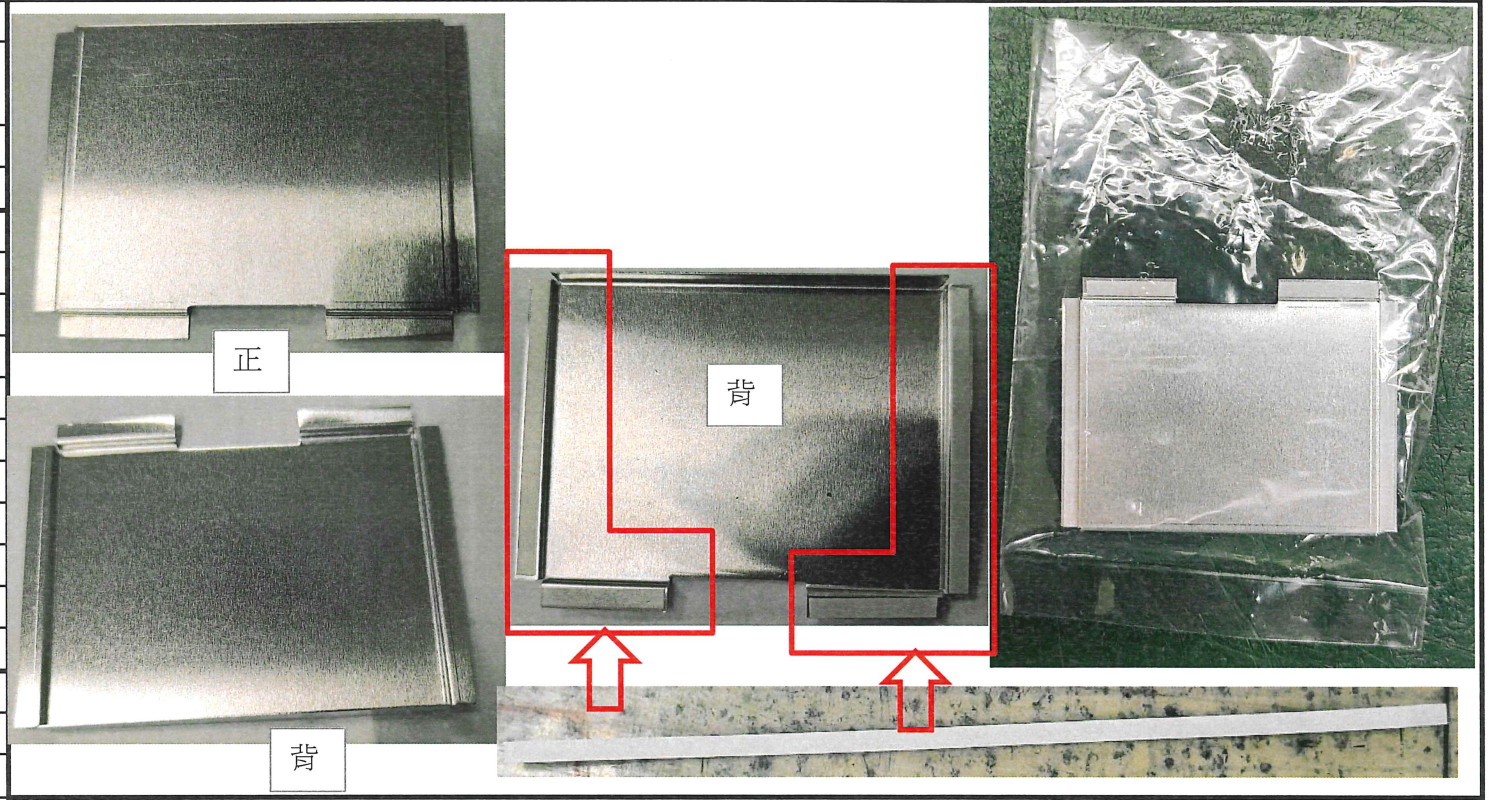
頁次： 1/1
文件編號: PA-SOP-3MD672ME010

客戶	鈺緯	機種		料號	3MD672ME010			品名	SHIELD BACK DISPLAY
工段		作業別	外觀檢查 貼雙面膠	機台編號		噸數		材質	AL1050*0.2

使用工具 / 機台設定		零組件 / 數量	
1		1	120*2.2mm*0.05T
2		2	寬捲帶
3		3	AR-8001-77
4		4	4-1箱

工序內容	
1	四邊需貼雙面膠(背面)
2	單一包裝 5PCS釘一包
3	
4	
5	
6	
7	
8	
9	
10	

作業重點	
1	不可壓傷 變形 撞傷 有感刮傷 漏貼
2	
3	
4	
5	
6	



不良履歷			
1		4	
2		5	
3		6	

核准	張緒杰	審核	李政育	製表	李祺媗

製表日期	版本	修定內容
114.4.17	A0	新訂

雄業實業股份有限公司 文管中心 114.4.22 發行章

測試報告
Test Report

中鋼鋁業股份有限公司 (C.S. ALUMINIUM CORPORATION)
高雄市小港區東林路17號 (NO.17 TUNG LIN ROAD ,HSIAOKANG DISTRICT, KAOHSIUNG CITY)

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)	:	中鋼鋁業股份有限公司 (C.S. ALUMINIUM CORPORATION)
樣品名稱(Sample Name)	:	ALUMINIUM PLATE /SHEET (鋁板/片)
樣品型號(Style/Item No.)	:	ALUMINIUM ALLOY 1050

==========

收件日(Sample Receiving Date)	:	30-May-2024
測試期間(Testing Period)	:	30-May-2024 to 07-Jun-2024

測試需求(Test Requested) : 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).)

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

結　　論(Conclusion) : 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.)

報告簽署人/張伯睿 博士/部經理
Ray Chang, Ph.D./ Department Manager
Signed for and on behalf of
SGS TAIWAN LTD.
化學實驗室-高雄/Chemical Laboratory-Kaohsiung

PIN CODE: C2241932

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測試報告
Test Report

中鋼鋁業股份有限公司 (C.S. ALUMINIUM CORPORATION)
高雄市小港區東林路17號 (NO.17 TUNG LIN ROAD ,HSIAOKANG DISTRICT, KAOHSIUNG CITY)

測試部位敘述 (Test Part Description)

No.1 : 銀色金屬 (SILVER COLORED METAL)

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))	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))		mg/kg	2	7.13	1000
汞 (Hg) (Mercury (Hg))	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 (Hexavalent Chromium) Cr(VI) (#2)	參考IEC 62321-7-1: 2015，以紫外光-可見光分光光度計分析。(With reference to IEC 62321-7-1: 2015, analysis was performed by UV-VIS.)	μg/cm²	0.1	n.d.	-
一溴聯苯 (Monobromobiphenyl)	參考IEC 62321-6: 2015，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.)	mg/kg	5	n.d.	-
二溴聯苯 (Dibromobiphenyl)		mg/kg	5	n.d.	-
三溴聯苯 (Tribromobiphenyl)		mg/kg	5	n.d.	-
四溴聯苯 (Tetrabromobiphenyl)		mg/kg	5	n.d.	-
五溴聯苯 (Pentabromobiphenyl)		mg/kg	5	n.d.	-
六溴聯苯 (Hexabromobiphenyl)		mg/kg	5	n.d.	-
七溴聯苯 (Heptabromobiphenyl)		mg/kg	5	n.d.	-
八溴聯苯 (Octabromobiphenyl)		mg/kg	5	n.d.	-
九溴聯苯 (Nonabromobiphenyl)		mg/kg	5	n.d.	-
十溴聯苯 (Decabromobiphenyl)		mg/kg	5	n.d.	-
多溴聯苯總和 (Sum of PBBs)		mg/kg	-	n.d.	1000

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中鋼鋁業股份有限公司 (C.S. ALUMINIUM CORPORATION)
高雄市小港區東林路17號 (NO.17 TUNG LIN ROAD ,HSIAOKANG DISTRICT, KAOHSIUNG CITY)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result) No.1	限值 (Limit)
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
鄰苯二甲酸丁苯甲酯 (BBP) (Butyl benzyl phthalate (BBP))	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))		mg/kg	50	n.d.	1000
鄰苯二甲酸二異丁酯 (DIBP) (Diisobutyl phthalate (DIBP))		mg/kg	50	n.d.	1000
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (Di-(2-ethylhexyl) phthalate (DEHP))		mg/kg	50	n.d.	1000

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中鋼鋁業股份有限公司 (C.S. ALUMINIUM CORPORATION)
高雄市小港區東林路17號 (NO.17 TUNG LIN ROAD ,HSIAOKANG DISTRICT, KAOHSIUNG CITY)

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. (#2) =
   a. 當六價鉻結果大於0.13 μg/cm²，表示樣品表層含有六價鉻。(The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 μg/cm². The sample coating is considered to contain Cr(VI).)
   b. 當六價鉻結果為n.d. (濃度小於0.10 μg/cm²)，表示表層不含六價鉻。(The sample is negative for Cr(VI) if Cr(VI) is n.d. (concentration less than 0.10 μg/cm²). The coating is considered a non-Cr(VI) based coating)
   c. 當六價鉻結果介於 0.10 及 0.13 μg/cm² 時，無法確定塗層是否含有六價鉻。(The result between 0.10 μg/cm² and 0.13 μg/cm² is considered to be inconclusive - unavoidable coating variations may influence the determination.)
6. 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.)

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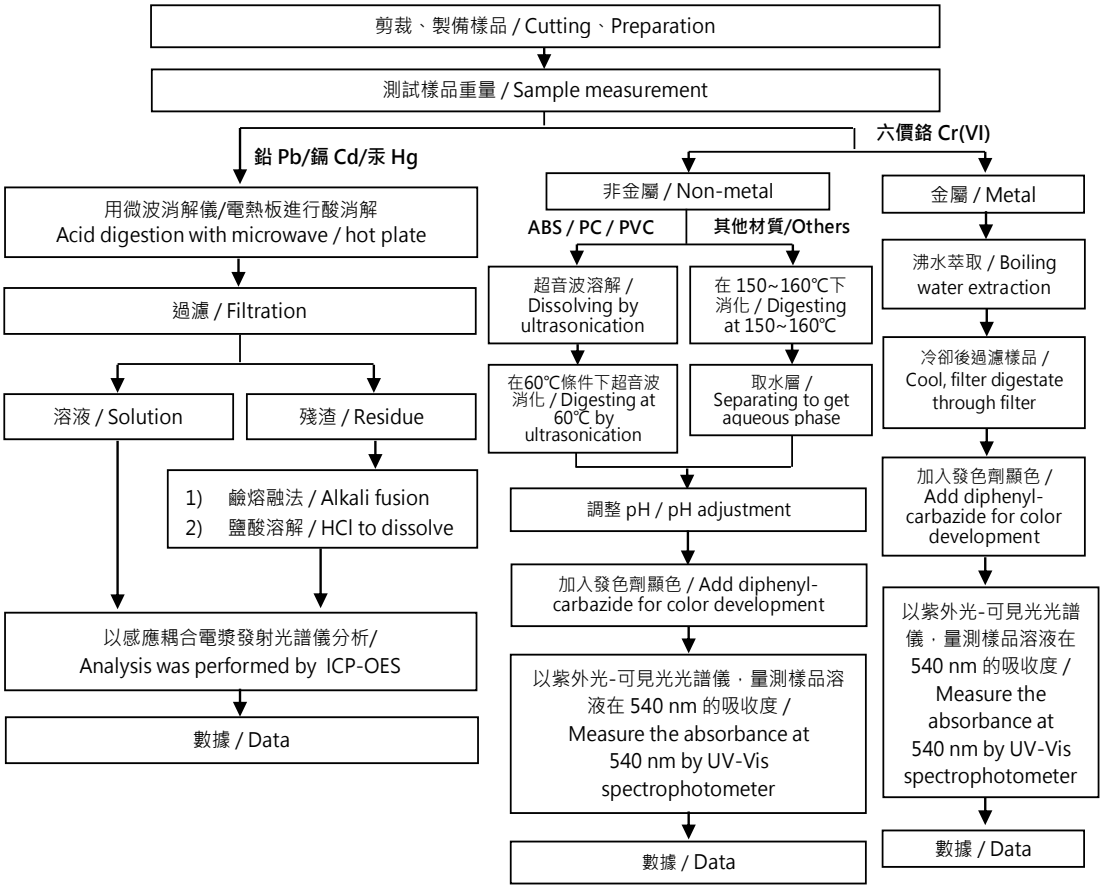
中鋼鋁業股份有限公司 (C.S. ALUMINIUM CORPORATION)
高雄市小港區東林路17號 (NO.17 TUNG LIN ROAD ,HSIAOKANG DISTRICT, KAOHSIUNG CITY)

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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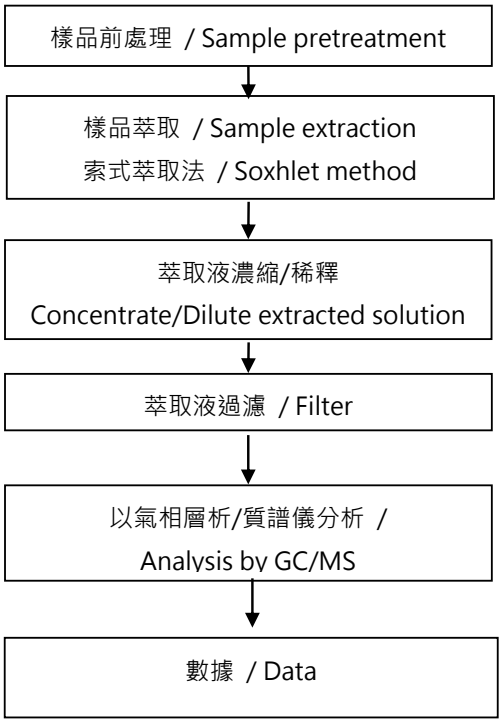
中鋼鋁業股份有限公司 (C.S. ALUMINIUM CORPORATION)
高雄市小港區東林路17號 (NO.17 TUNG LIN ROAD ,HSIAOKANG DISTRICT, KAOHSIUNG CITY)

多溴聯苯/多溴聯苯醚 分析流程圖 / PBB/PBDE analytical FLOW CHART



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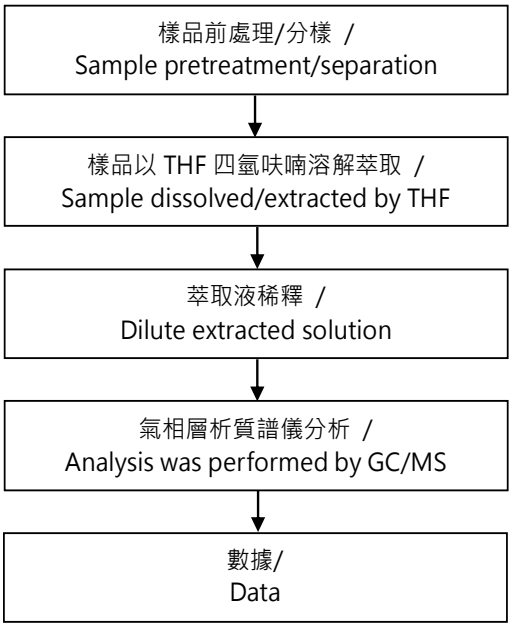
中鋼鋁業股份有限公司 (C.S. ALUMINIUM CORPORATION)
高雄市小港區東林路17號 (NO.17 TUNG LIN ROAD ,HSIAOKANG DISTRICT, KAOHSIUNG CITY)

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

【測試方法/Test method: IEC 62321-8】



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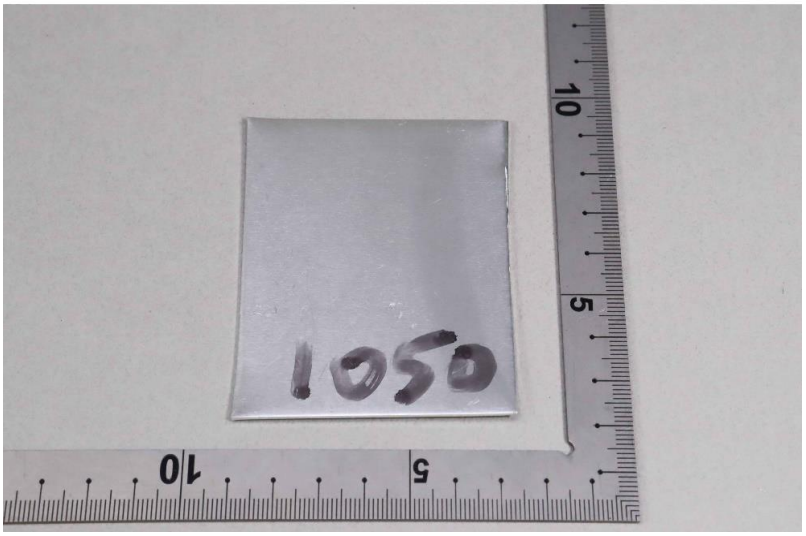
測試報告
Test Report

中鋼鋁業股份有限公司 (C.S. ALUMINIUM CORPORATION)
高雄市小港區東林路17號 (NO.17 TUNG LIN ROAD ,HSIAOKANG DISTRICT, KAOHSIUNG CITY)

*** 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.)

EKR24501920



** 報告結尾 (End of Report) **

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Safety Data Sheet

REVISION DATE：01/02/2024

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME： Aluminum Alloy

CATALOG CODE： 1XXX Series Alloys

MANUFACTURER：

C.S Aluminium Corporation NO.17 Tung Lin Road Hsiao Kang Kaohsiung,812 Taiwan.R.O.C

Tel：886(7)871-8666

Fax：886(7)872-1967

SECTION 2 – HAZARDS IDENTIFICATION

Health：1

Flammability：1

Reactivity：1

Precautionary statements：

This product is present in a massive form as an alloys. Aluminum alloys are alloys in which aluminum (Al) is the predominant metal. Aluminum alloys are considered an “article” and not hazardous in its solid form. Fine particles from processing (such as cutting, sawing, welding, grinding, polishing, milling, and machining) may be readily ignitable.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients	Typical Percent (Wt %)	CAS Numbers
Aluminum (Al)	>99.00	7429-90-5
Silicon (Si)	<0.70	7440-21-3
Iron (Fe)		7439-89-6
Copper (Cu)	<0.10	7440-50-8
Manganese (Mn)	<0.05	7439-96-5
Magnesium (Mg)	<0.05	7439-95-4
Zinc (Zn)	<0.10	7440-66-6

SECTION 4 – FIRST AID MEASURES

SKIN：For minor burns, apply cold water. For severe burns, seek immediate medical attention.

EYE：Immediately flush with water for 15 minutes. Seek medical attention if irritation persists.

INHALATION：Remove to fresh air.

INGESTION：None necessary.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABILITY：YES? NO? X

FLASH POINT (Method Used)：N/A

WHAT CONDITIONS? N/A

UEL：N/A

LEL：N/A

MEANS OF EXTINCTION：

This product is non-combustible in bulk form. For fires involving aluminum fines or chips, use dry sand or Class D extinguishing agents approved for this use. DO NOT USE water or other liquids, foam, or halogenated extinguishing agents.

SPECIAL PROCEDURES：

Suspended aluminum dust, allowed to accumulate in a confined area, may be explosive. If remelted, moisture present in cavities or on external surfaces may cause an explosion.

AUTO IGNITION TEMPERATURE：N/A

HAZARDOUS COMBUSTION PRODUCTS：None known

SENSITIVITY TO STATIC DISCHARGE：None known

SENSITIVITY TO IMPACT：None known

ND = NOT DETERMINED N/A = NOT APPLICABLE

SECTION 6 – ACCIDENTAL RELEASE MEASURES

These products are solid aluminium sheets and plates, with no spill or leak hazards.

Put on appropriate personal protective equipment (see section 8).

PERSON-RELATED SAFETY PRECAUTIONS：Put on appropriate personal protective equipment (see section 8).

ENVIRONMENTAL PRECAUTIONS：

Collect scrap for recycling. (Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.) Ensure adequate ventilation.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP：

Sweep or vacuum up and place in an appropriate closed container. Avoid generating dust.

SECTION 7 – HANDLING AND STORAGE

HANDLING PROCEDURES：

Ensure good ventilation and exhaust at the workplace. In the case of operations generating dust, avoid excessive generation of dust or prolonged contact with skin and eyes.

STORAGE REQUIREMENTS：Tightly closed. In a cool, dry location. Remelting of return material for re-use, make certain no water or moisture is present in cavities or on external surfaces.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS：

If ventilation is used to convey aluminum dust, generated by grinding, sawing, etc., special ventilation procedures may be necessary to avoid explosion hazards**.**

PERSONAL PROTECTIVE EQUIPMENT：

GLOVES：As needed.

EYEWEAR：Safety glasses, goggles, face shield, or welding helmet, etc., as needed.

RESPIRATORY：Use NIOSH/MSHA-approved respirator for dusts/fume/mist, if TLVs or PELs are exceeded.

FOOTWEAR：Safety shoes, as needed.

CLOTHING：Appropriate protective work clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE：Solid	FLASHPOINT：N/A
APPEARANCE/ODOR：Odorless, silvery gray color	VAPOR PRESSURE：N/A
ODOR THRESHOLD：N/A	VAPOR DENSITY：N/A
pH：N/A	EVAPORATION RATE：N/A
SPECIFIC GRAVITY：2.5-2.9 g/cm^3	COEFFICIENT OF WATER/OIL DIST：N/A
MELTING POINT：482℃-660℃	SOLUBILITY IN WATER：N/A
BOILING POINT：N/A	AUTOIGNITION TEMPERATURE：N/A

SECTION 10 – CHEMICAL STABILITY AND REACTIVITY INFORMATION

CHEMICAL STABILITY：Stable

REACTIVITY AND UNDER WHAT CONDITIONS：

If remelted, moisture present in cavities or on external surfaces may cause an explosion. Bulk aluminum dust when damp may heat spontaneously.

INCOMPATIBILITY TO OTHER SUBSTANCES：YES

For aluminum fines: water, Strong acids, strong bases, strong oxidizers, metal oxides, and halogenated compounds.

HAZARDOUS DECOMPOSITION PRODUCTS：

Finely divided aluminum reacts with water, some acids, and alkalis to produce hydrogen gas. Aluminum in contact with halogenated compounds can produce violent reactions and/or explosions.

SECTION 11 – TOXICOLOGICAL INFORMATION

ROUTE(S) OF ENTRY

INHALATION：YES

INGESTION：NO

SKIN ABSORPTION：NO

EYE CONTACT：YES

EFFECTS OF ACUTE EXPOSURE：

Aluminum is considered a nuisance particulate. Welding or machining aluminum may generate dusts and fumes which may cause eye, nose, and throat irritation. Generally, if exposures for aluminum oxide are kept below the exposure limit, the alloy components should not present a health risk. Ozone may be emitted as a by-product during welding or plasma arc cutting. Exposure to ozone may produce irritation to eyes, nose, and throat. Welding and/or plasma arc cutting of aluminum alloys generates ultraviolet radiation which can cause skin burns or welders flash to unprotected skin and eyes.

EFFECTS OF CHRONIC EXPOSURE：

Prolonged exposure to ozone may result in nausea, headache, and pulmonary damage. Chromium and certain of its compounds are classified as carcinogens in the latest Annual Report on Carcinogens as published by the National Toxicology Program (NTP) and by the International Agency for Research on Cancer (IARC).

LD50 OF PRODUCT：	LC50 OF PRODUCT：
Aluminum：>5000 mg/kg (Aluminum oxide / Orl-Rat)	Aluminum：Not known
Silicon：3160 mg/kg (Orl-Rat)	Silicon：Not known
Iron：984 mg/kg (Orl-Rat)	Iron：Not known
Copper：3.5 mg/kg (Orl-Rat)	Copper：Not known
Manganese：>9000 mg/kg (Orl-Rat)	Manganese：Not known
Magnesium：230 mg/kg (Orl-Rat)	Magnesium：Not known

IRRITANCY OF PRODUCT：Mild

EXPOSURE LIMITS OF PRODUCT：Use levels for aluminum shown in Section 2.

SENSITIZATION TO PRODUCT：None known

SYNERGISTIC MATERIALS：None known

CARCINOGENICITY：NTP, IARC, ACGIH

REPRODUCTIVE EFFECTS：None known

TERATOGENICITY：None known

MUTAGENICITY：None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE：

Pre-existing upper respiratory and lung diseases such as, but not limited to, Bronchitis, Emphysema, and Asthma.

SECTION 12 – ECOLOGICAL INFORMATION

TOXICITY：Aluminum can be recycled. Aluminum alloys under solid form, such as ingots, coil or sheets, do not present any hazard for the environment because metals are not biologically available.

BIOACCUMULATIVE POTENTIAL：None available.

MOBILITY IN SOIL：None available.

OTHER ADVERSE EFFECTS：*None availab*le.

SECTION 13 – DISPOSAL INFORMATION

WASTE DISPOSAL：

For disposal of this material as a waste, act in accordance with all applicable federal, state, and local waste management regulations.

SECTION 14 – TRANSPORTATION INFORMATION

SPECIAL SHIPPING INFORMATION：None known

SECTION 15 – REGULATORY INFORMATION

SARA

This product contains a chemical or chemicals subject to the reporting requirements of **Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.**

SECTION 16 – OTHER INFORMATION

All statements, technical information and recommendations contained herein are based on tests and data which this Company believes to be currently reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of this Company or others covering any process, composition of matter or use. Since the Company shall have no control of the use of the product described herein, the Company assumes no liability for loss or damage incurred from the proper or improper use of such product.

PRODUCT INFORMATION

CACTUS NO. C202

Transfer adhesive tape

Features/characteristics

1. Adhesive : High performance electric conductive acrylic (solvent based) adhesive.
2. Carrier : Unsupported
3. Liner : 120g/m^2 PE coated bleached Kraft paper liner, one side matt and one side gloss.
4. Electric conductive adhesive provides excellent electric conductivity.
5. Adhesive layer onto release liner, which provides excellent laminating results.

Technical data

1.	Thickness	:	0.040 + 0.005 mm
2.	Loop Tack	: FINAT - 9	1.2 ↑ kg / 25 mm
3.	Peel Adhesion	: PSTC - 3	1.0 ± 0.1 kg / 25 mm
4.	Shear Strength	: PSTC - 7	Over 10 hrs
5.	Service Temperature:		-20℃ ~ 90℃
6.	Surface Resistivity :		< 0.01 Ω/sq inch

Applications

1. Long term bonding results with most substrates – metal, plastic and high-energy surfaces.
2. Main applications :
   a) Lamination to electronic parts and components for removing static and thus preventing electric shock.
   b) When laminated to copper foil, metal substrates, conductive fabrics etc forms an excellent electromagnetic shielding material.
3. Suitable for applications on relative smooth surfaces.

Remark

All information and recommendations are given by us in good faith, on the basis of practical experience, but without warranty. It's essential that the user should evaluate the product for a period of time to determine whether it is fit for a particular purpose and suitable for the user's method of application.

慧迅科技股份有限公司 V. Himark Technology Co., Ltd.
TEL: 886-4-2359-0810 FAX: 886-4-2350-0581 / 2359-3091 http://www.vhimark.com.tw

檢測報告
Test Report

****

結論 Conclusion

測試樣品 Tested Sample	依據標準/指令 According to standard/directive	結果 Result
提交樣品 Submitted Sample	歐盟RoHS指令2011/65/EU及其修訂指令(EU) 2015/863 RoHS Directive 2011/65/EU with amendment (EU) 2015/863	符合 PASS

****

符合表示檢測結果滿足歐盟RoHS指令2011/65/EU及其修訂指令(EU) 2015/863要求的限值。
PASS means that the results shown on the report comply with the limits set by RoHS Directive 2011/65/EU with amendment (EU) 2015/863.

檢測報告
Test Report

檢測依據 Test Method

測試項目 Test Item(s)	測試方法 Test Method	測試儀器 Measured Equipment(s)
鉛 Lead (Pb)	IEC 62321-5:2013	ICP-OES
鎘 Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
汞 Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六價鉻 Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017	UV-Vis
多溴聯苯 Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
鄰苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS
氟 Fluorine (F)	參考EN 14582:2016 Refer to EN 14582:2016	IC
氯 Chlorine (Cl)	參考EN 14582:2016 Refer to EN 14582:2016	IC
溴 Bromine (Br)	參考EN 14582:2016 Refer to EN 14582:2016	IC
碘 Iodine (I)	參考EN 14582:2016 Refer to EN 14582:2016	IC

CTI 華測檢測

檢測報告
Test Report

檢測結果 Test Result(s)

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL	限值 Limit
	001		
鉛 Lead (Pb)	N.D.	2 mg/kg	1000 mg/kg
鎘 Cadmium (Cd)	N.D.	2 mg/kg	100 mg/kg
汞 Mercury (Hg)	N.D.	2 mg/kg	1000 mg/kg
六價鉻 Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg	1000 mg/kg

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL	限值 Limit
	001		
多溴聯苯 Polybrominated Biphenyls (PBBs)			
一溴聯苯 Monobromobiphenyl	N.D.	5 mg/kg	1000 mg/kg
二溴聯苯 Dibromobiphenyl	N.D.	5 mg/kg	
三溴聯苯 Tribromobiphenyl	N.D.	5 mg/kg	
四溴聯苯 Tetrabromobiphenyl	N.D.	5 mg/kg	
五溴聯苯 Pentabromobiphenyl	N.D.	5 mg/kg	
六溴聯苯 Hexabromobiphenyl	N.D.	5 mg/kg	
七溴聯苯 Heptabromobiphenyl	N.D.	5 mg/kg	
八溴聯苯 Octabromobiphenyl	N.D.	5 mg/kg	
九溴聯苯 Nonabromobiphenyl	N.D.	5 mg/kg	
十溴聯苯 Decabromobiphenyl	N.D.	5 mg/kg	

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL	限值 Limit
	001		
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)			
一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg	
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg	
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg	
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg	
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg	
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg	
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg	
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg	
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg	

CTI 華測檢測

檢測報告
Test Report

檢測結果 Test Result(s)

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL	限值 Limit
	001		
鄰苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)			
鄰苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg
鄰苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg
鄰苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg
鄰苯二甲酸二異丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg

測試項目 Tested Item(s)	結果 Result	方法檢出限 MDL
	001	
氟 Fluorine (F)	N.D.	50 mg/kg
氯 Chlorine (Cl)	N.D.	50 mg/kg
溴 Bromine (Br)	N.D.	50 mg/kg
碘 Iodine (I)	N.D.	50 mg/kg

樣品/部位描述Sample/Part Description

序號 No.	CTI樣品ID CTI Sample ID	描述 Description
1	001	透明雙面膠帶 (不含離型紙) Transparent double-sided adhesive tape (excluding the release paper)

備註: **對於檢測鉛，鎘，汞之樣品已消解完全。**
-N.D. = 未檢出 (小於方法檢出限)
-mg/kg = ppm = 百萬分之一
-1000 mg/kg = 0.1%

Remark: **The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.**
-MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million
-1000 mg/kg = 0.1%

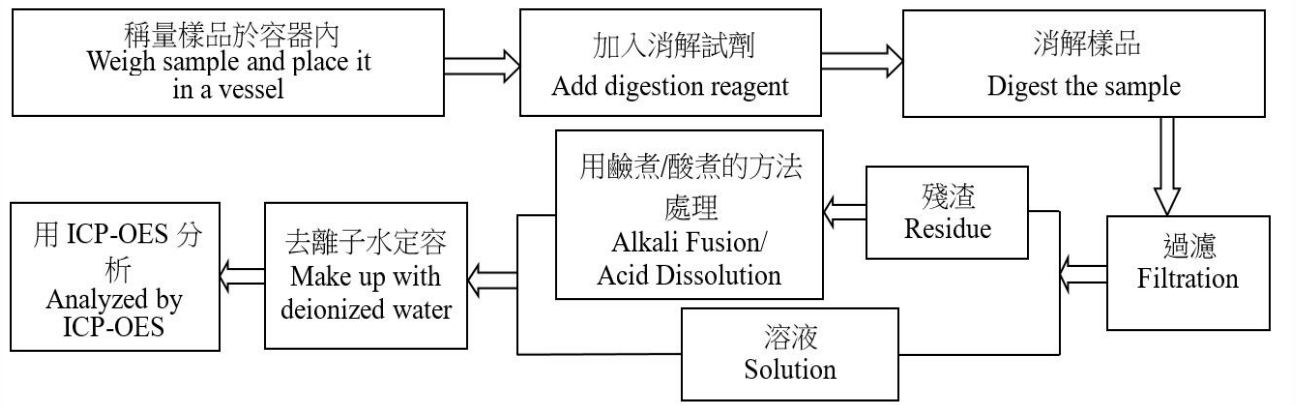
注釋: **本報告中的資料結果供科研、教學、企業內部品質控制、企業產品研發等目的用。**

Note: **The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.**

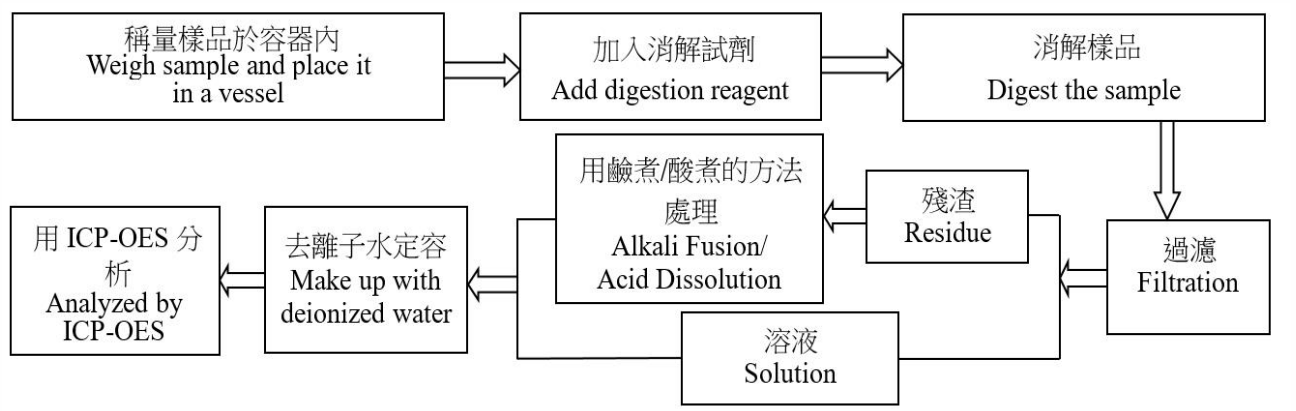
檢測報告
Test Report

檢測流程 Test Process

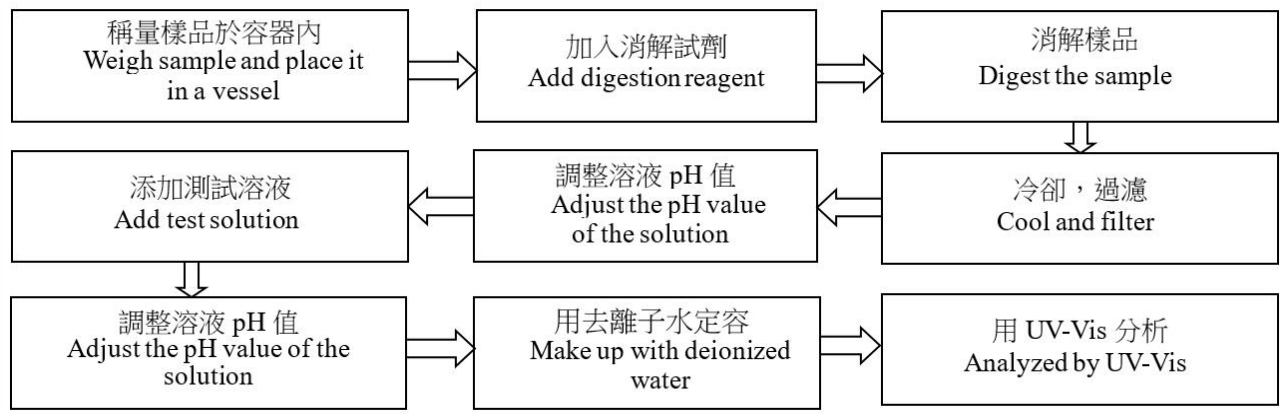
1. 鉛(Pb)， 鎘(Cd)
Lead (Pb), Cadmium (Cd)



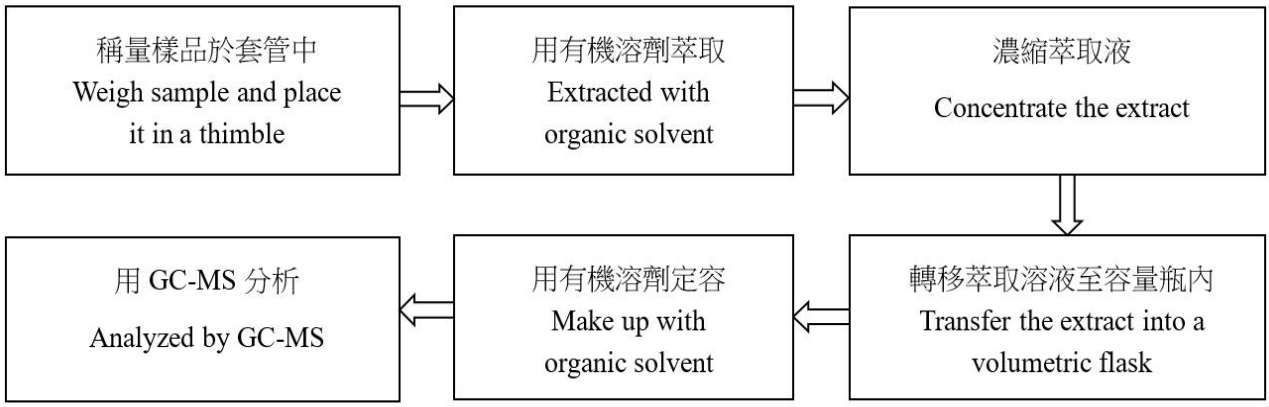
2. 汞(Hg)
Mercury (Hg)



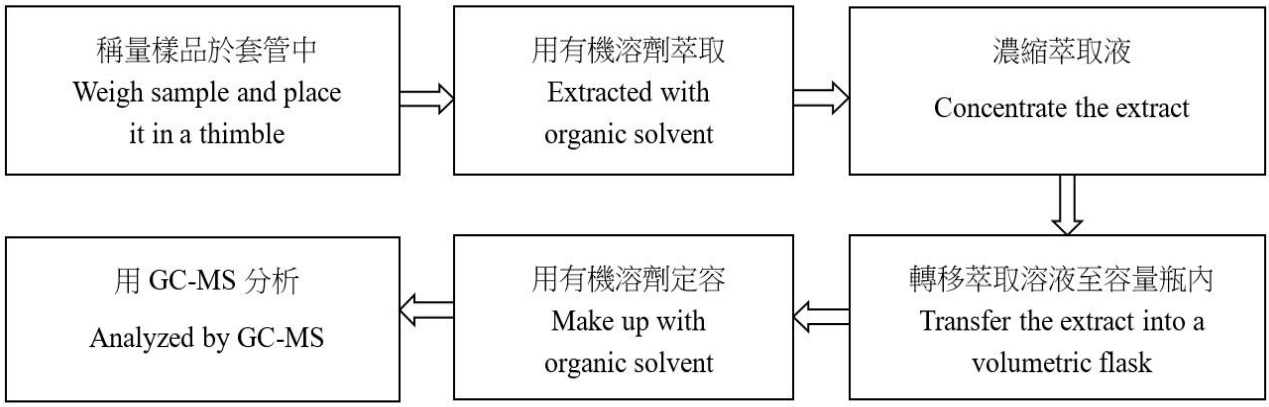
3. 六價鉻(Cr(VI))
Hexavalent Chromium (Cr(VI))



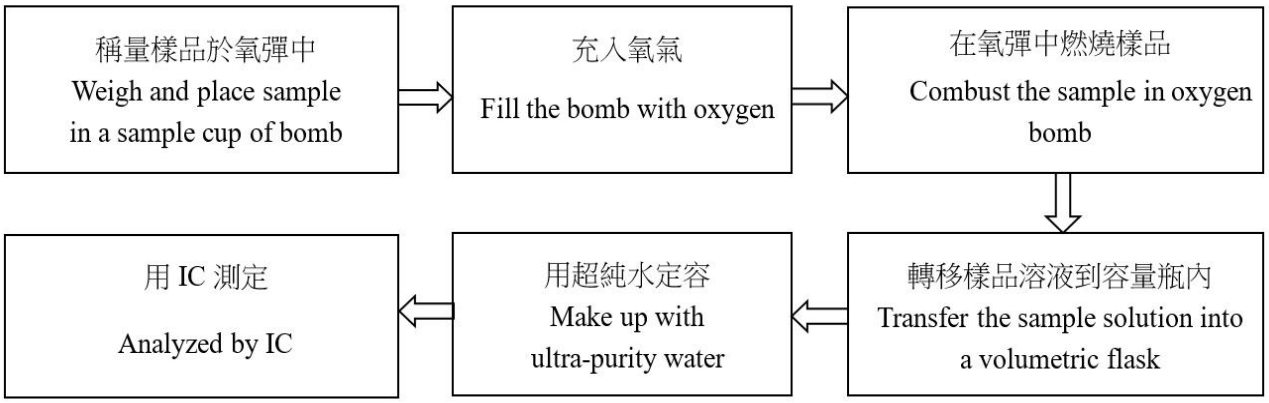
4. 多溴聯苯(PBBs)， 多溴二苯醚(PBDEs)
Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



5. 鄰苯二甲酸酯(DBP， BBP， DEHP， DIBP)
Phthalates (DBP, BBP, DEHP, DIBP)

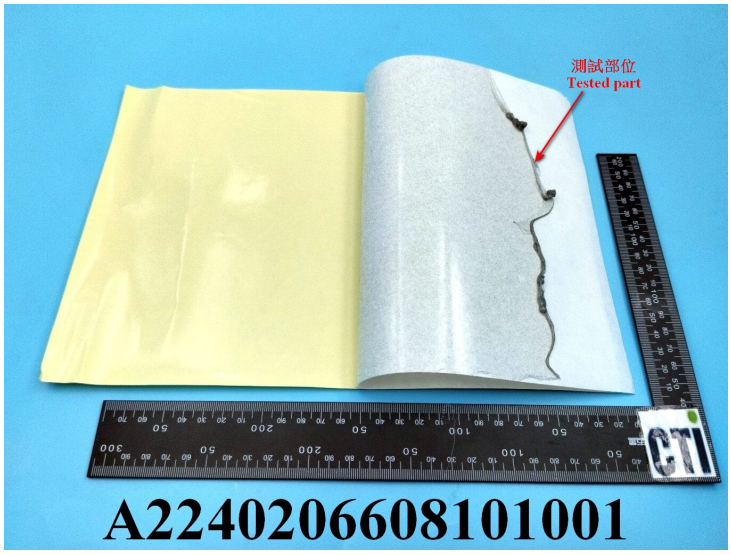


6. 氟(F)， 氯(Cl)， 溴(Br)， 碘(I)
Fluorine (F), Chlorine (Cl), Bromine (Br), Iodine (I)



檢測報告
Test Report

樣品圖片
Photo(s) of the sample(s)



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   This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 報告抬頭公司名稱及位址、樣品及樣品資訊由申請者提供，申請者應對其真實性負責，CTI未核實其真實性；
   The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn’t verified;
3. 本報告檢測結果僅對受測樣品負責；
   The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 未經CTI書面同意，不得部分複製本報告；
   Without written approval of CTI, this report can’t be reproduced except in full;
5. 如檢測報告中的英文內容與中文內容有差異，以中文為準。
   In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

報告結束
*** End of report ***

附錄Appendix

客戶參考資訊Client Reference Information

C201,C202,C202H,C202P,C202W.C203,C205,C206,C206A

聲明Statement:

1. 附錄內容由申請者提供，申請者應對其真實性負責，CTI未核實其真實性。
   The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. 附錄內容為A2240206608101001E報告的補充。
   The Appendix Information is/are the supplement(s) for the Report A2240206608101001E.

Material Safety Data Sheet

1. Identification of Product and Manufacturer

Article Name: Electrically Conductive Adhesive Transfer Tapes
Trade Name: C202
Manufacturer: V. Himark Technology Co., Ltd.
Emergency Contact: Tel 886-4-23590810 / Fax 886-4-23500581

2. Composition/Information of Ingredients

Chemical Name	CAS No.	% by Weight
Acrylic resin	Trade secret	21 - 25
Release Paper liner	Not Available	72 - 76
Nickel	7440-02-0	1.0 - 1.5
Graphite(synthetic)	Not Available	< 1
EAC	141-78-6	< 1

3. Hazard identification

Health effect: Not classified as hazardous.

4. FIRST-AID MEASURES

INHALATION:
Move from exposure area to fresh air and seek medical advice immediately.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:
Use dry chemical, carbon dioxide, water spray or regular form.
FIRE AND EXPLOSION HAZARD:
This product may give rise to hazardous fumes in a fire.
Protective Equipment for Fire-Fighting
Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Containment Procedures
Allow molten material to cool, remove by hand.
Clean-Up Procedures
Dispose of spilled material in approved landfill or incinerate in compliance with federal, state and local regulations. If you are unsure of the regulations, contact your local Public Health Department, or the local office of the Environmental Protection Agency(EPA).

7. HANDLING AND STORAGE

Handling Procedures
Use protective gloves when handling molten material.
Storage Procedures
Do not store near heat or flame. Store in cool and dry area.

Material Safety Data Sheet

8. EXPOSURE CONTROL

EXPOSURE LIMITS: Not required in particular.
ENGINEERING CONTROLS: Not required in particular.
EYE/FACE PROTECTION: Not required in particular.
SKIN PROTECTION: Not required in particular.
RESPIRATORY PROTECTION: Not required in particular.
OTHER/GENERAL PROTECTION: Not required in particular.

9. PHYSICAL & CHEMICAL PROPERTIES

PARAMETER	VALUE
Substance state	Solid
Appearance	Translucent / White paper liner
Odor	Slight Acrylic Odor
Evaporation Rates (Butyl Acetates=1)	No Data
Decomposition Temperature	No Data
Solubility	Insoluble in water

10. STABILITY AND REACTIVITY

Stability
Stable under normal temperature and pressure.
Any paper and adhesive can be forced to burn by continuous application of intense Heat.

11. TOXICOLOGICAL INFORMATION

No information available for the product.

12. ECOLOGICAL INFORMATION:

No information available for the product.

13. DISPOSAL CONSIDERATION

Use approved disposal methods as recommended by state and local agencies.

14. TRANSPORT INFORMATION

Check the containers to make sure that there is no leakage and prevent collapse or loosening.
This product is not classified as dangerous for transport purposes.

15. REGULATORY INFORMATION

Labor safety and hygiene regulations
Dangerous and hazardous materials treatment regulations

Material Safety Data Sheet

16. OTHER INFORMATION

This information is based on our current level of knowledge and relates to the products in the states in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Manufacturer information:
V. Himark Technology Co., Ltd.
No. 28, 22nd Road, Taichung Industrial Park, Taichung 408, Taiwan, ROC
Tel 886-4-23590810 / Fax 886-4-23500581

寶燕彩藝股份有限公司
產品檢查表

試驗項目:白格單離70g　　#13　　客戶：俐元

地　　址:桃園縣龜山鄉文化村頂湖一街53號　　1100823011-6

電　　話:(03)3283501-3 (03)3282896-7

傳 真 機:(03)3284133　　日期： 110年12月02日

項　目 PROPERTIES	規　格	結 果	檢驗方法	備註
基　重 BASIC WEIGHT	65+-7 g/m2	66.1	IQC-SSQ003	
厚　度 THICKNESS	55+-10 1／1000mm	54+2-2	FQC-SSQ081	
剝離力 TESA RELEASE FORCE	25↓ g／in	4	FQC-SSQ063	
殘 餘 力 REMAIN RELEASE	80↑ ％	96	FQC-SSQ082	
外　觀 APPEARANCE	良好 目視	良好	IQC-SSQ002	
寬　度 WIDTH	±2mm	1000	IQC-SSQ016	
長　度 LENGTH	±1%			
	合格判定	合格■	不合格□	

品管主管: 黃守謙　　檢驗員:邱彤姝

測試報告
Test Report

號碼(No.): ETR24505052　　日期(Date): 05-Jun-2024　　

寶燕彩藝股份有限公司 (PAO YAN TSAE YIH CO., LTD.)
桃園市龜山區文化里頂湖一街53號 (NO. 53, TIN HU 1ST STREET, WEN HUA VILLAGE, KUEI SHAN DISTRICT, TAOYUAN CITY, TAIWAN, R. O. C.)

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

送樣廠商(Sample Submitted By)	:	寶燕彩藝股份有限公司 (PAO YAN TSAE YIH CO., LTD.)
樣品名稱(Sample Name)	:	D/S RELEASE PAPER (離型紙)
樣品型號(Style/Item No.)	:	白牛單/雙離型、彩格雙離型、白格單/雙離型、彩牛單/雙離型、牛皮底離型、牛皮單/雙離型、白牛底離、離型膜、白銅離型紙

==========

收件日(Sample Receiving Date)	:	29-May-2024
測試期間(Testing Period)	:	29-May-2024 to 05-Jun-2024

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

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

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

PIN CODE: 816D6516

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測試報告
Test Report

寶燕彩藝股份有限公司 (PAO YAN TSAE YIH CO., LTD.)
桃園市龜山區文化里頂湖一街53號 (NO. 53, TIN HU 1ST STREET, WEN HUA VILLAGE, KUEI SHAN DISTRICT, TAOYUAN CITY, TAIWAN, R. O. C.)

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))	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))	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))	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))	參考IEC 62321-7-2: 2017，以紫外光-可見光分光光度計分析。(With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS.)	mg/kg	8	n.d.
一溴聯苯 (Monobromobiphenyl)	參考IEC 62321-6: 2015，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.)	mg/kg	5	n.d.
二溴聯苯 (Dibromobiphenyl)		mg/kg	5	n.d.
三溴聯苯 (Tribromobiphenyl)		mg/kg	5	n.d.
四溴聯苯 (Tetrabromobiphenyl)		mg/kg	5	n.d.
五溴聯苯 (Pentabromobiphenyl)		mg/kg	5	n.d.
六溴聯苯 (Hexabromobiphenyl)		mg/kg	5	n.d.
七溴聯苯 (Heptabromobiphenyl)		mg/kg	5	n.d.
八溴聯苯 (Octabromobiphenyl)		mg/kg	5	n.d.
九溴聯苯 (Nonabromobiphenyl)		mg/kg	5	n.d.
十溴聯苯 (Decabromobiphenyl)		mg/kg	5	n.d.
多溴聯苯總和 (Sum of PBBs)		mg/kg	-	n.d.

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測試報告
Test Report

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桃園市龜山區文化里頂湖一街53號 (NO. 53, TIN HU 1ST STREET, WEN HUA VILLAGE, KUEI SHAN DISTRICT, TAOYUAN CITY, TAIWAN, R. O. C.)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
一溴聯苯醚 (Monobromodiphenyl ether)	參考IEC 62321-6: 2015，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.)	mg/kg	5	n.d.
二溴聯苯醚 (Dibromodiphenyl ether)		mg/kg	5	n.d.
三溴聯苯醚 (Tribromodiphenyl ether)		mg/kg	5	n.d.
四溴聯苯醚 (Tetrabromodiphenyl ether)		mg/kg	5	n.d.
五溴聯苯醚 (Pentabromodiphenyl ether)		mg/kg	5	n.d.
六溴聯苯醚 (Hexabromodiphenyl ether)		mg/kg	5	n.d.
七溴聯苯醚 (Heptabromodiphenyl ether)		mg/kg	5	n.d.
八溴聯苯醚 (Octabromodiphenyl ether)		mg/kg	5	n.d.
九溴聯苯醚 (Nonabromodiphenyl ether)		mg/kg	5	n.d.
十溴聯苯醚 (Decabromodiphenyl ether)		mg/kg	5	n.d.
多溴聯苯醚總和 (Sum of PBDEs)		mg/kg	-	n.d.
鄰苯二甲酸丁苯甲酯 (BBP) (Butyl benzyl phthalate (BBP))	參考IEC 62321-8: 2017，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.)	mg/kg	50	n.d.
鄰苯二甲酸二丁酯 (DBP) (Dibutyl phthalate (DBP))		mg/kg	50	n.d.
鄰苯二甲酸二(2-乙基己基)酯 (DEHP) (Di-(2-ethylhexyl) phthalate (DEHP))		mg/kg	50	n.d.
鄰苯二甲酸二異丁酯 (DIBP) (Diisobutyl phthalate (DIBP))		mg/kg	50	n.d.
鄰苯二甲酸二異癸酯 (DIDP) (Diisodecyl phthalate (DIDP)) (CAS No.: 26761-40-0, 68515-49-1)		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.
鄰苯二甲酸二正辛酯 (DNOP) (Di-n-octyl phthalate (DNOP)) (CAS No.: 117-84-0)		mg/kg	50	n.d.

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測試報告
Test Report

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桃園市龜山區文化里頂湖一街53號 (NO. 53, TIN HU 1ST STREET, WEN HUA VILLAGE, KUEI SHAN DISTRICT, TAOYUAN CITY, TAIWAN, R. O. C.)

測試項目 (Test Items)	測試方法 (Method)	單位 (Unit)	MDL	結果 (Result)
				No.1
氟 (F) (Fluorine (F)) (CAS No.: 14762-94-8)	參考BS EN 14582: 2016，以離子層析儀分析。 (With reference to BS EN 14582: 2016, analysis was performed by IC.)	mg/kg	50	n.d.
氯 (Cl) (Chlorine (Cl)) (CAS No.: 22537-15-1)		mg/kg	50	196
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.

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. 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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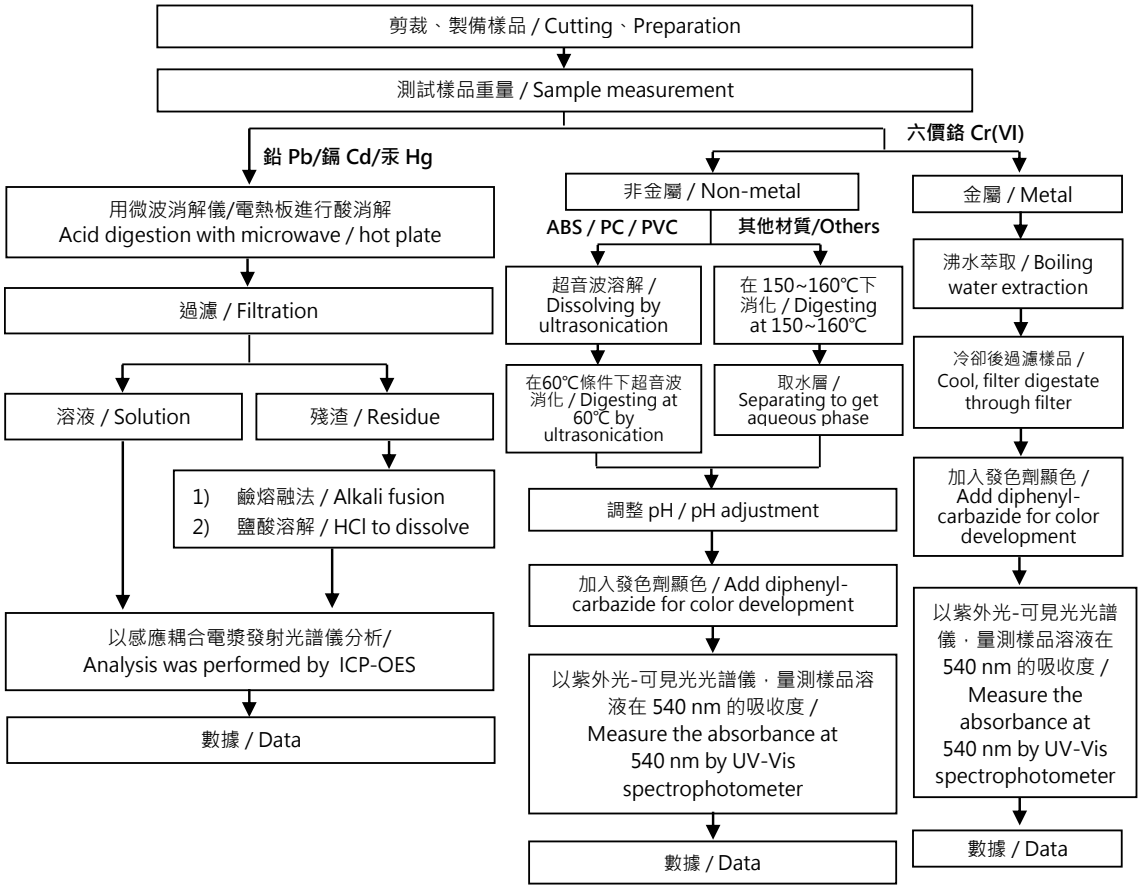
寶燕彩藝股份有限公司 (PAO YAN TSAE YIH CO., LTD.)
桃園市龜山區文化里頂湖一街53號 (NO. 53, TIN HU 1ST STREET, WEN HUA VILLAGE, KUEI SHAN DISTRICT, TAOYUAN CITY, TAIWAN, R. O. C.)

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

根據以下的流程圖之條件，樣品已完全溶解。（六價鉻測試方法除外）

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

（Cr^{6+} test method excluded）



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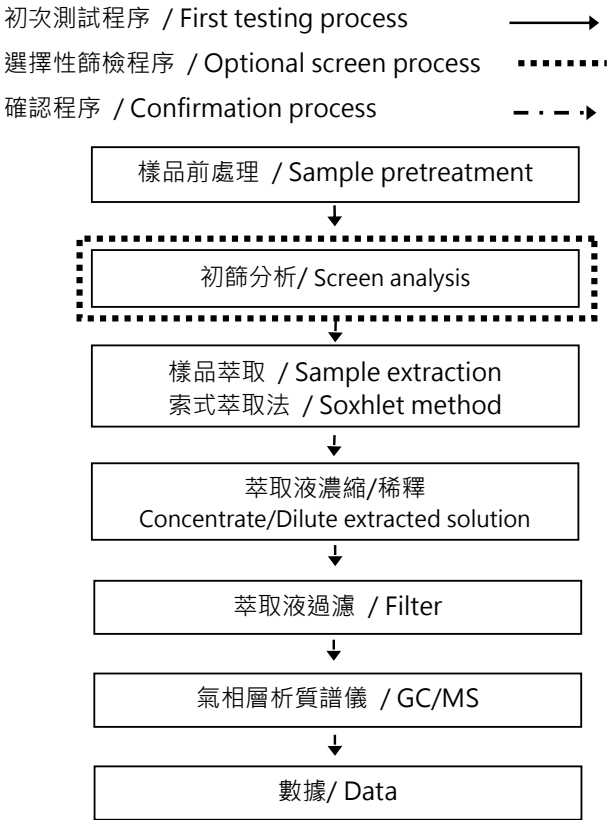
寶燕彩藝股份有限公司 (PAO YAN TSAE YIH CO., LTD.)
桃園市龜山區文化里頂湖一街53號 (NO. 53, TIN HU 1ST STREET, WEN HUA VILLAGE, KUEI SHAN DISTRICT, TAOYUAN CITY, TAIWAN, R. O. C.)

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



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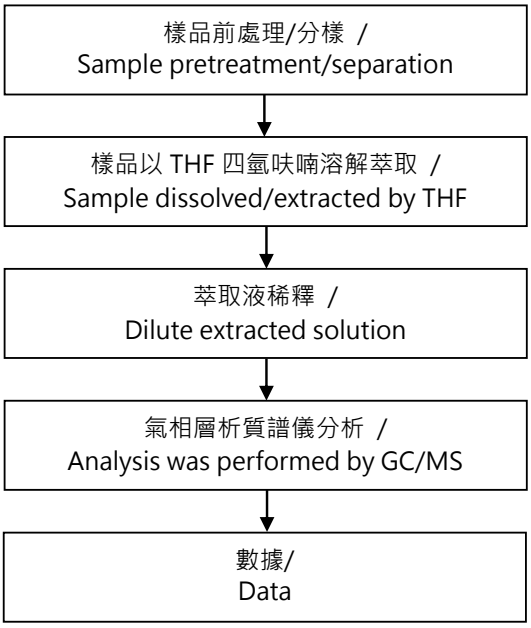
可塑劑分析流程圖 / Analytical flow chart - Phthalate

【測試方法/Test method: IEC 62321-8】



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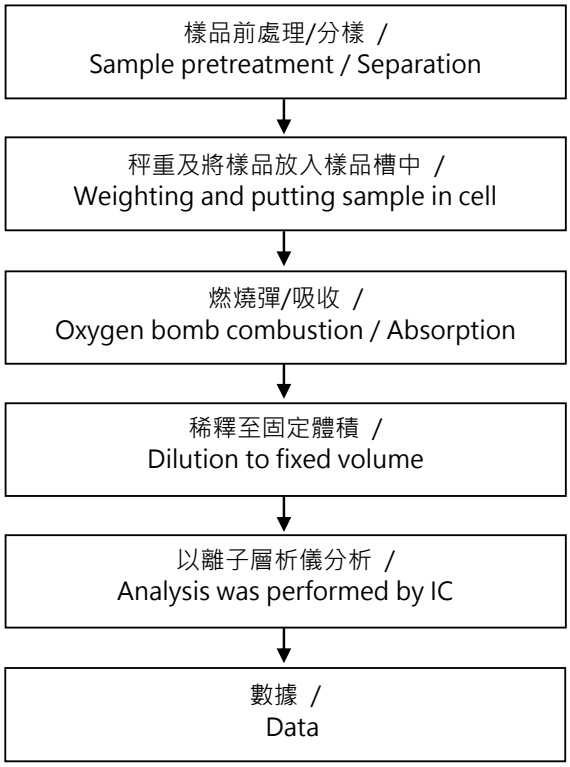
鹵素分析流程圖 / Analytical flow chart - Halogen



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測試報告
Test Report

寶燕彩藝股份有限公司 (PAO YAN TSAE YIH CO., LTD.)
桃園市龜山區文化里頂湖一街53號 (NO. 53, TIN HU 1ST STREET, WEN HUA VILLAGE, KUEI SHAN DISTRICT, TAOYUAN CITY, TAIWAN, R. O. C.)

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

ETR24505052



** 報告結尾 (End of Report) **

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寶燕彩藝股份有限公司

安全資料表(SDS)

一、 物品與廠商資料

物品名稱：白格單離 70g #13
物品編號：
製造商或供應商名稱：寶燕彩藝股份有限公司
製造商或供應商地址：桃園縣龜山鄉文化村頂湖一街 53 號
緊急聯絡電話：(03)3282896-7
傳真電話：(03)3961431

二、 危害辨識資料

最重要危害效應	健康危害效應：無
	環境影響：無
	物理性及化學性危害：無
	特殊危害：無
主要症狀：無	
物品危害分類：無	

三、 成分辨識資料

中英文名稱：白格單離 70g #13
同義名稱：
化學式：
化學文摘社登記號碼(CAS No.)：
成份百分比(%)：紙 95%↑ 離型劑 SI 0.1%↑

四、 急救措施

不同暴露途徑之急救方法： •吸入：搬移到新鮮空氣處 •皮膚接觸：與熱熔融態接觸後，儘速以冷水沖洗 •眼睛接觸：儘速以冷水沖洗 •食入：請教醫師
最重要症狀及危害效應：無
對急救人員之防護：無

對醫師之指示：無

五、 滅火措施

適用滅火劑：水、二氧化碳、化學乾粉、泡沫
滅火時可能遭遇之特殊危害：刺激性的氣體或濃煙
特殊滅火程序：一般紙類滅火程序即可
消防人員之特殊防護設備：無

六、 洩漏處理辦法

個人應注意事項：無
環境應注意事項：不要沖入水溝或下水道中，避免影響環境
清理方法：以一般清掃工具整理打掃

七、 安全處置與儲存辦法

處置： a.加工時，應保持室內空氣之流通 b.預防靜電的累積
儲存： a.製品需儲存於陰涼. 通風良好處 b.遠離熱源、引火源、可燃物及不相容物 c.儲區須時常清掃並結構適宜，以避免粉塵累積

八、 暴露預防措施

工程控制：避免接觸熱熔融態之物質
控制參數：無 ・八小時日時量平均容許濃度/短時間時量平均容許濃度/最高容許濃度：無 ・生物指標：無
個人防護設備： ・呼吸防護：不需要 ・手部防護：手套（若需接觸熱熔融態物質時） ・眼睛防護：安全眼鏡 ・皮膚及身體防護：不需要
衛生措施：減少與皮膚的接觸，並在接觸後用水清洗之

九、 物理及化學性質

物質狀態：固體	形狀：
顏色：	氣味：無氣味
ＰＨ值：N/A	沸點：N/A
熔點：	蒸發速率：N/A
自燃溫度：	爆炸界限：N/A

蒸氣壓：N/A	蒸氣密度：N/A
密度：	水中溶解度：不溶

十、 安定性及反應性

安定性：安定
特殊狀況下可能之危害反應：無
應避免之狀況：禁在劇烈熱中
應避免之物質：禁在劇烈熱中
危害分解物：無

十一、 毒性資料

急毒性：無
局部效應：無
致敏感性：無
慢毒性或長期毒性：無
特殊效應：對人體不會造成危害

十二、 生態資料

生態毒性：不溶於水中，對水中魚類及微生物沒有危害
持久性及降解性：半衰期(空氣)： 半衰期(水表面)： 半衰期(地下水)： 半衰期(土壤)：
生物蓄積性：

十三、 廢棄處置辦法

廢棄處置方法： a.處理前，參考現行法規 b.可回收再利用或採安全之焚化、衛生掩埋處理

十四、 運送資料

國際運送規定：依政府及當地專業行政機構使用被認可之處理方法
聯合國編號：無
國內運送規定：無
特殊運送方法及注意事項：製品需儲存陰涼通風地區遠離易燃物或熱源與火源

十五、 法規資料

適用法規：本表所列資料，僅代表通常對 PP、PE 的認識，並不作為這些性質的保證，

相關責任原料購買者應參考現行之法令與規範為之。

十六、 其他資料

參考文獻		
製表單位	寶燕彩藝股份有限公司	
製表人	職稱：經理	姓名（簽章)：黃守謙
製表日期	2022/08/03	