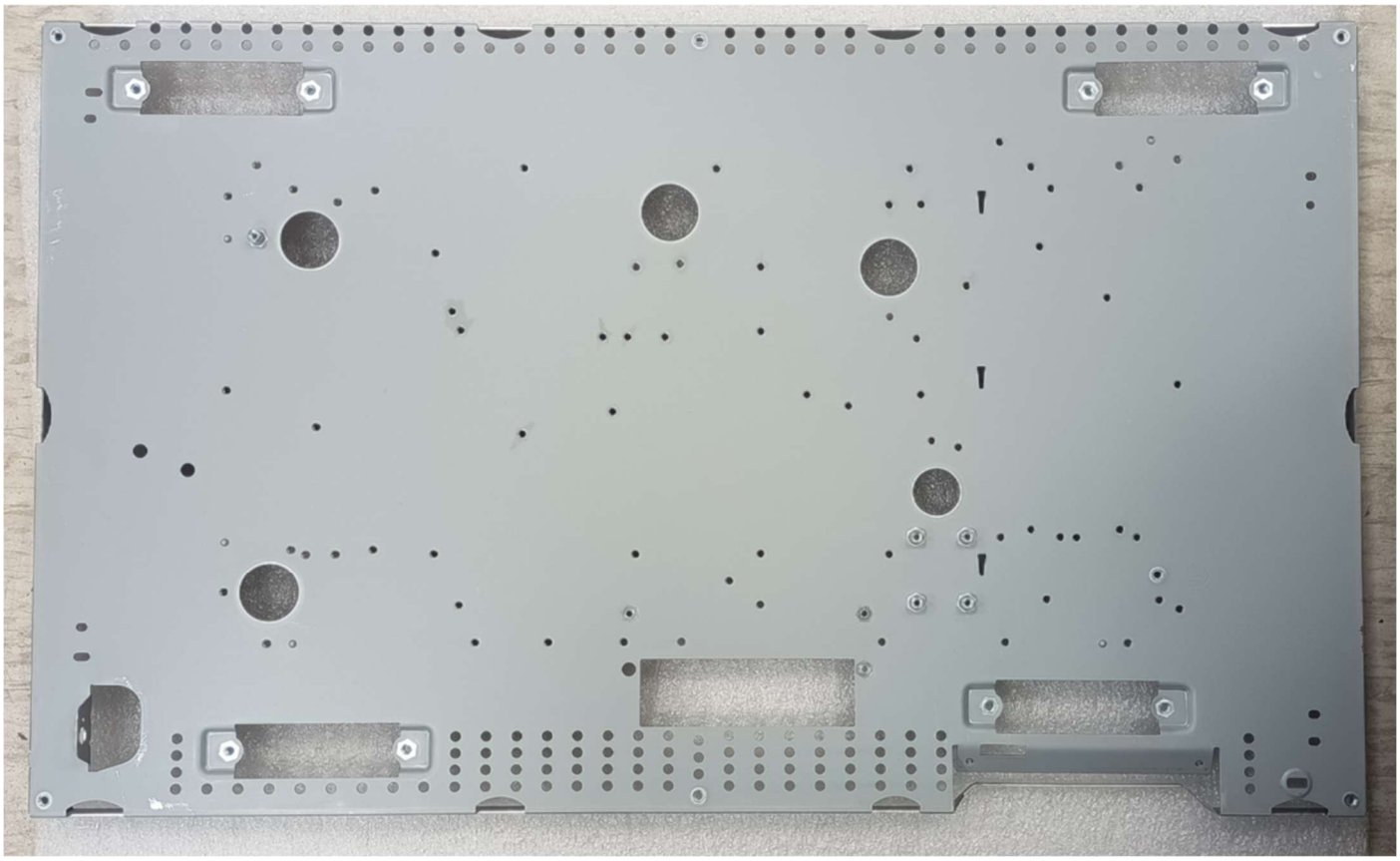
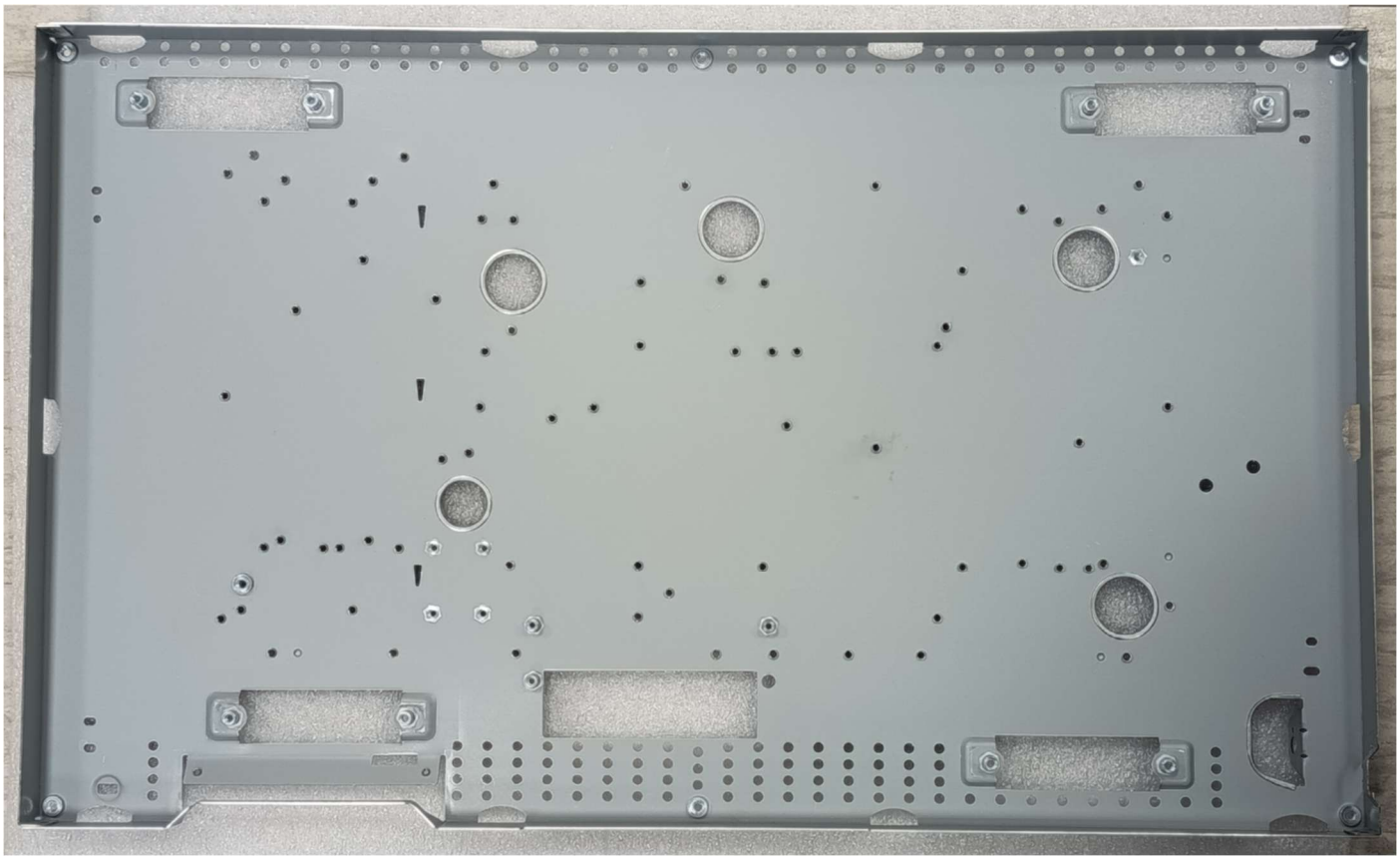




設計驗證工程課
2026 -07- 21
發行

樣 品 承 認 書

客 戶 名 稱 ： 鈺緯

品　　名 ： MAIN BRACKET

料　　號 ： 3MDLE3ME22E (M1845)

日　　期 ： 115年5月27日

設計驗證工程課
2026 -07- 21
發行

備　　註 ：

製作者:黃聖翔　　檢查者: 黃聖翔　核准: 張家榮

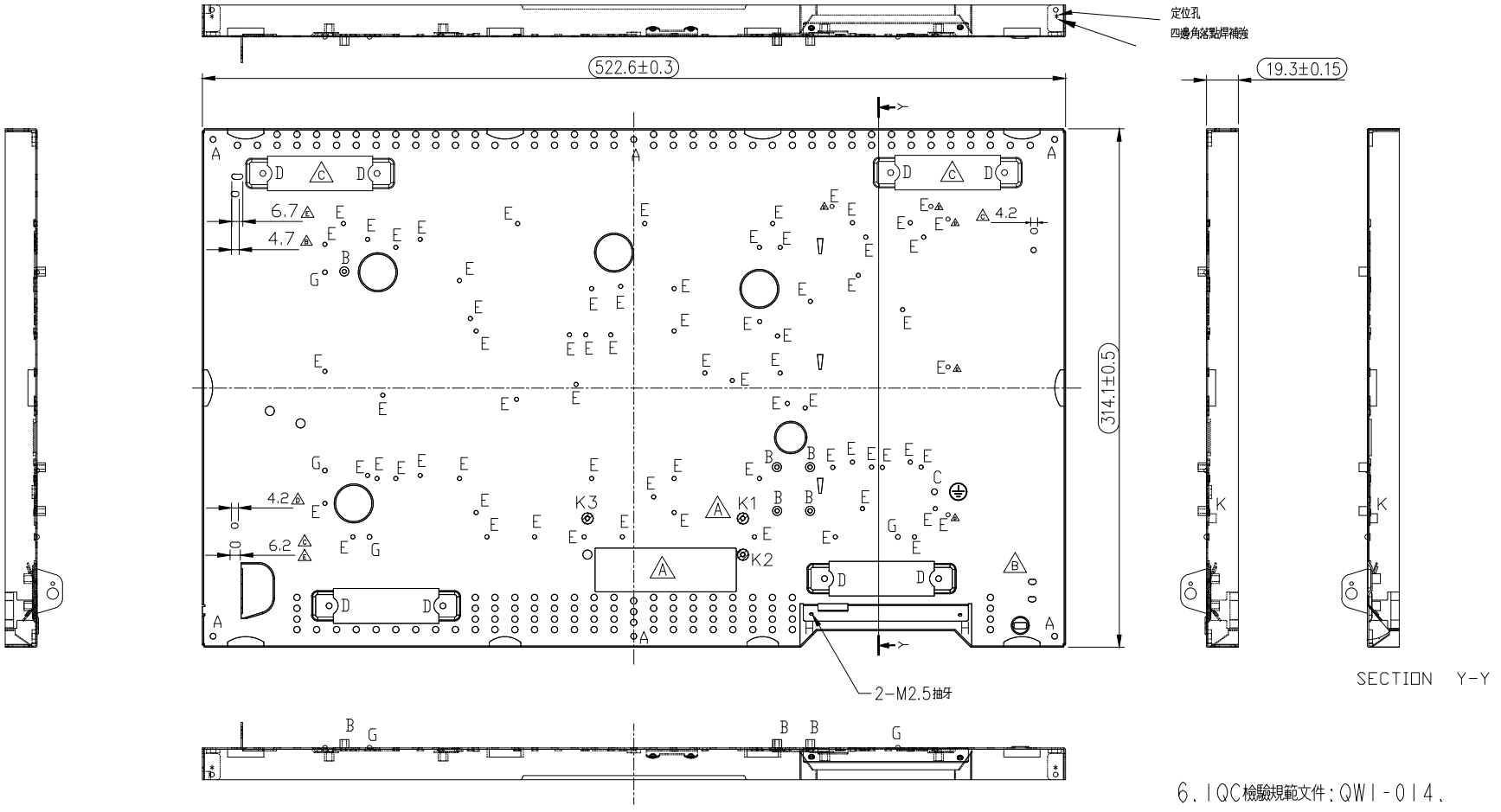
承 認 章

仲鎰工業股份有限公司 115. 5. 27 樣品承認

仲 鎰 工 業 股 份 有 限 公 司

新北市五股區五工二路103號

REV.	DATE	DESCRIPTION	BY	ARRD
A	2018.08.02	Add K1~K3 Boss & 長方孔 A	Joe	
B	2021.09.28	ø3.2孔改成橢圓孔 ø3.2x4.7 *4 B	Joe	
C	2025.09.17	新增兩個Speaker Hole &ø3.2圓孔改成橢圓孔 ø3.2x4.2*2 C	Owen	Laslie
D	2026.02.25	新增五個攻牙孔 & ø3.2圓孔改成橢圓孔ø3.2x4.2*1 D	Owen	Laslie
E	2026.04.23	ø3.2x4.2*1 橢圓孔改成ø3.2x6.2*1 橢圓孔 ø3.2x4.7*1 橢圓孔改成ø3.2x6.7*1 橢圓孔 E	Owen	Laslie



6. IQC檢驗規範文件：QWI-014.
5. 毛邊向內.
4. 平整度公差 ：±0.5(中央)
3. 油污須去除.
2. 尺寸檢驗及毛邊, 變形, 參照承認樣品.

NOTE: 1. 毛邊須小於0.03MM, 以不傷手為原則.

9. M3 Burry Hole,Torque> 6 Kgf/cm .
8. M3 Stand Off & NUT,Pull Strength >20Kgf,Torque> 6 Kgf/cm .
7. Boss"K" M3*H6.0(透孔) (注意方向性)
6. "H"M2.5抽牙
5. "E"M3抽牙
4. Boss "D" M4*H5.8(透牙)
3. "C" M4 NUT
2. Boss"B" M3*H5.8 (透牙)

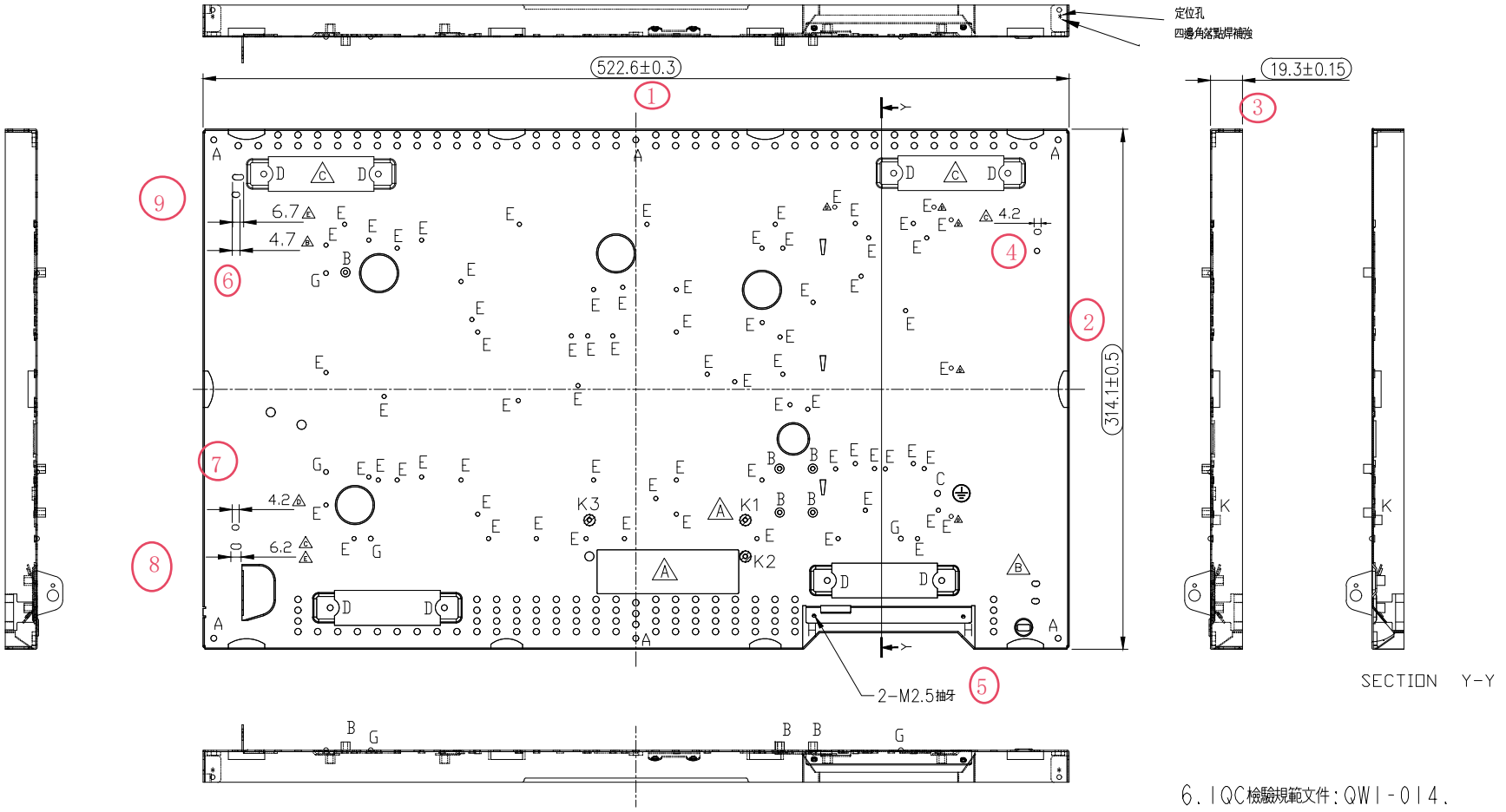
NOTE:1. Boss"A" M4 NUT ← (勿用六角頭)

設計驗證工程課
2026 -07- 21
發行
鈺鎏科技開發股份有限公司

RANGE OF DIMENSION	TOLERANCE CLASS DESIGNATION V f	m	c
UP TO 30	±0.10	±0.20	±0.50
ABOVE 30-120	±0.15	±0.30	±0.80
ABOVE 120-315	±0.20	±0.50	±1.20
ABOVE 315-1000	±0.30	±0.80	±2.00
ANGLE ±1° (±1.75/100)			

THIRD ANGLE PROJECTION	UNITS : mm	SCALE : 1 / 1	SHEET : 1 / 1	MODEL NO.: 21.5"
	MATERIAL :SECC 0.81t		TREATMENT : SEE NOTE	
DSGD by JoeHuang	2018/8/02	PART NAME: MAIN BRACKET		
APPD by Laslie	2026/4/23	PART NO.: 3MDLE3ME22E		VER. E
APPD No. (M1845)	FILE NAME : 3MDLE3ME22E	DIVA Laboratories ,Ltd.		

REV.	DATE	DESCRIPTION	BY	ARRD
A	2018.08.02	Add K1~K3 Boss & 長方孔 A	Joe	
B	2021.09.28	ø3.2孔改成橢圓孔 ø3.2x4.7 *4 B	Joe	
C	2025.09.17	新增兩個Speaker Hole &ø3.2圓孔改成橢圓孔 ø3.2x4.2*2 C	Owen	Laslie
D	2026.02.25	新增五個攻牙孔 & ø3.2圓孔改成橢圓孔ø3.2x4.2*1 D	Owen	Laslie
E	2026.04.23	ø3.2x4.2*1 橢圓孔改ø3.2x6.2*1 橢圓孔 ø3.2x4.7*1 橢圓孔改ø3.2x6.7*1 橢圓孔 E	Owen	Laslie



9. M3 Burry Hole,Torque> 6 Kgf/cm .
8. M3 Stand Off & NUT,Pull Strength >20Kgf,Torque> 6 Kgf/cm .
7. Boss"K" M3*H6.0(透孔) (注意方向性)
6. "H"M2.5抽牙
5. "E"M3抽牙
4. Boss "D" M4*H5.8(透牙)
3. "C" M4 NUT
2. Boss"B" M3*H5.8 (透牙)

NOTE:1. Boss"A" M4 NUT ← (勿用六角頭)

6. IQC檢驗規範文件:QWI-014.
5. 毛邊向內.
4. 平整度公差 :±0.5(中央)
3. 油污須去除.
2. 尺寸檢驗及毛邊,變形,參照承認樣品.

NOTE: 1. 毛邊須小於0.03MM,以不傷手為原則

RANGE OF DIMENSION	TOLERANCE CLASS DESIGNATION V f	m	c
UP TO 30	±0.10	±0.20	±0.50
ABOVE 30-120	±0.15	±0.30	±0.80
ABOVE 120-315	±0.20	±0.50	±1.20
ABOVE 315-1000	±0.30	±0.80	±2.00
ANGLE ±1° (±1.75/100)			

THIRD ANGLE PROJECTION	UNITS : mm	SCALE : 1 / 1	SHEET : 1 / 1	MODEL NO.: 21.5"
	MATERIAL :SECC 0.81t		TREATMENT : SEE NOTE
DSGD by JoeHuang	2018/8/02	PART NAME: MAIN BRACKET	
APPD by Laslie	2026/4/23	PART NO.: 3MDLE3ME22E	VER. E
APPD No. :	FILE NAME : 3MDLE3ME22E	DMA Laboratories ,Ltd.	

Test Result	Approval

DIVA FAI DATA SHEET

	Part Number :	3MDLE3ME22E	Supplier :	仲鎰工業有限股份公司	Date:	2026/5/27	
	Part Description :	MAIN BRACKET			Cavity / Tool # :		
	Revision :		Material Spec:	SECC 0.8T	Inspector:	黃聖翔	

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		**522.600**	0.30	0.30		**522.560**	**522.650**	**522.610**	***-0.040***	***0.050***	***0.010***	***522.607***	**17%**	**13%**			DC	
2		**314.100**	0.50	0.50		**314.480**	**314.520**	**314.460**	***0.380***	***0.420***	***0.360***	***314.487***	**84%**	**0%**			DC	
3		**19.300**	0.15	0.15		**19.180**	**19.260**	**19.250**	***-0.120***	***-0.040***	***-0.050***	***19.230***	**0%**	**80%**			DC	
4		**4.200**	0.10	0.10		**4.210**	**4.220**	**4.220**	***0.010***	***0.020***	***0.020***	***4.217***	**20%**	**0%**			DC	
5		**M2.5**				**OK**	**OK**	**OK**									牙規	
6		**4.700**	0.10	0.10		**4.720**	**4.710**	**4.730**	***0.020***	***0.010***	***0.030***	***4.720***	**30%**	**0%**			DC	
7		**4.200**	0.10	0.10		**4.210**	**4.220**	**4.220**	***0.010***	***0.020***	***0.020***	***4.217***	**20%**	**0%**			DC	
8		**6.200**	0.10	0.10		**6.170**	**6.170**	**6.180**	***-0.030***	***-0.030***	***-0.020***	***6.173***	**0%**	**30%**			DC	
9		**6.700**	0.10	0.10		**6.670**	**6.680**	**6.680**	***-0.030***	***-0.020***	***-0.020***	***6.677***	**0%**	**30%**			DC	
10																		
11																		
12																		
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Instructions:
1.Inspector mest fillout the yellow area.
2. The table will automatically calculate the data in green area.

Dimension	Dimension										Date	2026/5/27
	A	B	C	D	E	F	G	H	I	J	Part No	3MDLE3ME22E
Inspection Method	DC	DC	DC								Parts Name	MAIN BRACKET
T	522.6000	314.1000	19.3000								Supplier	仲鎰工業有限股份公司
Tolerance +	0.3000	0.5000	0.1500								Inspector	
Tolerance -	0.3000	0.5000	0.1500								Cavity / Tool #	
FAI#1	522.58	314.45	19.42									
FAI#2	522.56	314.39	19.42									
FAI#3	522.62	314.42	19.38									
P#1	522.61	314.46	19.36									
P#2	522.65	314.43	19.39									
P#3	522.55	314.42	19.36									
P#4	522.59	314.41	19.36									
P#5	522.63	314.43	19.35									
P#6	522.63	314.45	19.36									
P#7	522.65	314.41	19.37									
P#8	522.61	314.36	19.36									
P#9	522.63	314.39	19.36									
P#10	522.62	314.36	19.38									
P#11	522.63	314.38	19.36									
P#12	522.65	314.36	19.36									
P#13	522.65	314.38	19.35									
P#14	522.61	314.38	19.35									
P#15	522.63	314.38	19.36									
P#16	522.59	314.36	19.36									
P#17	522.61	314.36	19.32									
P#18	522.65	314.38	19.36									
P#19	522.63	314.36	19.36									
P#20	522.63	314.36	19.36									
Mean	522.617826	314.394783	19.365652	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
STD Dev.	0.028116	0.033148	0.021495	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
Estimated F/R (95% conf. 10%dev.)	0.000000	0.000000	0.000048	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		

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

品質證明書
TEST CERTIFICATE

中國鋼鐵股份有限公司
CHINA STEEL CORPORATION
中華民國高雄市小港區中鋼路1號
1 CHUNG KANG ROAD HSIAO KANG, KAOHSIUNG 81223
TAIWAN, REPUBLIC OF CHINA
TEL:(07)802-1111 FAX:(07)802-2511, (07)801-9427
E-mail: t21lmae@mail.csc.com.tw

F0195-01 COMPANY REGISTRATION NUMBER: 30414175 0227

客戶名稱 CUSTOMER		產品名稱 PRODUCT	EG SHEET-COIL		
		發票號碼 INVOICE NO.	AE93472332	證明書編號 CERTIFICATE NO.	130622F0195
規格名稱 SPEC.	CSC SECC1-SD, ZINC COATING MASS: ZZ20/ZZ20 (20/20 G/M2), CHROMATE-FREE ANTI-FINGER PRINT TREATED (A/A), UNOILED. R-36	客戶編號 CUSTOMER NO.	35489006	中鋼訂單編號 CSC ORDER NO.	JC2608H
		交運日期 SHIPPING DATE	JUN. 19, 2025	證明書日期 T/C ISSUE DATE	JUN. 20, 2025
檢驗 INSP.	CSC MILL INSPECTION. T/C 02	客戶訂單編號 CUST ORDER NO.			

項目 ITEM NO.	產品序號 LABEL NO.	尺寸 DIMENSIONS 厚度 THICK. mm	寬度 WIDTH mm	長度 LENGTH mm	數量 QTY	質量 MASS kg	爐號 HEAT	鋼捲號碼 COIL NO.	試片編號 SAMPLE ID.	拉伸試驗 *1 G.L. = 50 mm 降伏 Y.S. MPa	抗拉 T.S. N/mm2	伸長 EL %	*02 彎曲試驗	*05 硬度 RB	*12 單點上 g/m2	*13 單點下 g/m2
003	E803627	0.800	1219	COIL	1	10,165	6Y396	12847391	1284739	205	310	44.0	OK	46	20.5	19.6
			TOTAL:		1	10,165										

化學成分 CHEMICAL COMPOSITION %										鑄造地 CMP	備註 REMARK
C	Mn	P	S	Si	Cu	Ni	Cr	Al			
2 X10	2 X10	3 X10	3 X10			2 X10		3 X10			
2	16	15	4	0				33		TWN	

註釋 NOTES

*01 拉伸試驗 TENSILE TEST
*02 彎曲試驗 BEND TEST
*05 硬度試驗 HARDNESS TEST
*12 上表面鍍鋅量 UPPER COAT(SINGLE)
*13 下表面鍍鋅量 LOWER COAT(SINGLE)

CMP:THE COUNTRY OF MELT AND POUR; TWN:TAIWAN;

1MPa = 1N/mm2
Al =TOTAL Al

SURVEYED BY

茲證明本表所列產品，均依材料規格製造及試驗，並符合規格之要求。
WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENT OF THE ABOVE MATERIAL SPECIFICATION AND THE TEST CERTIFICATE COMFORMS TO TYPE 3.1 OF TABLE A(ANNEX A) OF EN10204-2004.

Shen-Chin Hsiang
冶金技術處處長
GENERAL MANAGER, METALLURGICAL DEPARTMENT

測試報告
Test Report

號碼(No.): EKR25701268　　日期(Date): 15-Aug-2025　　

中國鋼鐵股份有限公司 (CHINA STEEL CORPORATION)
高雄市小港區中鋼路1號 (1, CHUNG KANG RD., HSIAO KANG, KAOHSIUNG 81233, TAIWAN, REPUBLIC OF 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)：

送樣廠商(Sample Submitted By)	:	中國鋼鐵股份有限公司 (CHINA STEEL CORPORATION)
樣品名稱(Sample Name)	:	電鍍鋅產品(ELECTRO-GALVANIZED PRODUCTS)
樣品型號(Style/Item No.)	:	無鉻耐指紋電鍍鋅鋼捲(ELECTRO-GALVANIZED COILS (COATING AFP)(A2))

==========

收件日(Sample Receiving Date)	:	23-Jul-2025
測試期間(Testing Period)	:	23-Jul-2025 to 15-Aug-2025

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: A2AE4F49

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測試報告
Test Report

中國鋼鐵股份有限公司 (CHINA STEEL CORPORATION)
高雄市小港區中鋼路1號 (1, CHUNG KANG RD., HSIAO KANG, KAOHSIUNG 81233, TAIWAN, REPUBLIC OF CHINA)

測試部位敘述 (Test Part Description)

No.1 : 灰色金屬 (GRAY 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) No.1	限值 (Limit)
鎘 (Cd) (Cadmium (Cd))	依據IEC 62321-5: 2013，以感應耦合電漿發射光譜儀分析。(According to IEC 62321-5: 2013, analysis was performed by ICP-OES.)	mg/kg	2	n.d.	100
鉛 (Pb) (Lead (Pb))		mg/kg	2	n.d.	1000
汞 (Hg) (Mercury (Hg))	依據IEC 62321-4: 2013+ AMD1: 2017，以感應耦合電漿發射光譜儀分析。(According 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)	依據IEC 62321-7-1: 2015，以紫外光-可見光分光光度計分析。(According to IEC 62321-7-1: 2015, analysis was performed by UV-VIS.)	μg/cm²	0.1	n.d.	-
一溴聯苯 (Monobromobiphenyl)	自訂方法(文件編號 : TESP-KE-082)參考IEC 62321-6: 2015，以氣相層析儀/質譜儀分析。(In house method (Doc. No. : TESP-KE-082) refer 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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測試報告
Test Report

中國鋼鐵股份有限公司 (CHINA STEEL CORPORATION)
高雄市小港區中鋼路1號 (1, CHUNG KANG RD., HSIAO KANG, KAOHSIUNG 81233, TAIWAN, REPUBLIC OF CHINA)

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)	自訂方法(文件編號 : TESP-KE-082)參考IEC 62321-6: 2015，以氣相層析儀/質譜儀分析。(In house method (Doc. No. : TESP-KE-082) refer 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
鄰苯二甲酸二丁酯 (DBP) (Dibutyl phthalate (DBP))	依據IEC 62321-8: 2017，以氣相層析儀/質譜儀分析。(According to IEC 62321-8: 2017, analysis was performed by GC/MS.)	mg/kg	50	n.d.	1000
鄰苯二甲酸丁苯甲酯 (BBP) (Butyl benzyl phthalate (BBP))		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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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決定規則，採用簡單允收規則之二分法(w=0)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.)
7. 申請人提交的產品是用於電機電子設備之原物料。(The product from the applicant submitted is a raw material which is used for electric and electronic equipment.)

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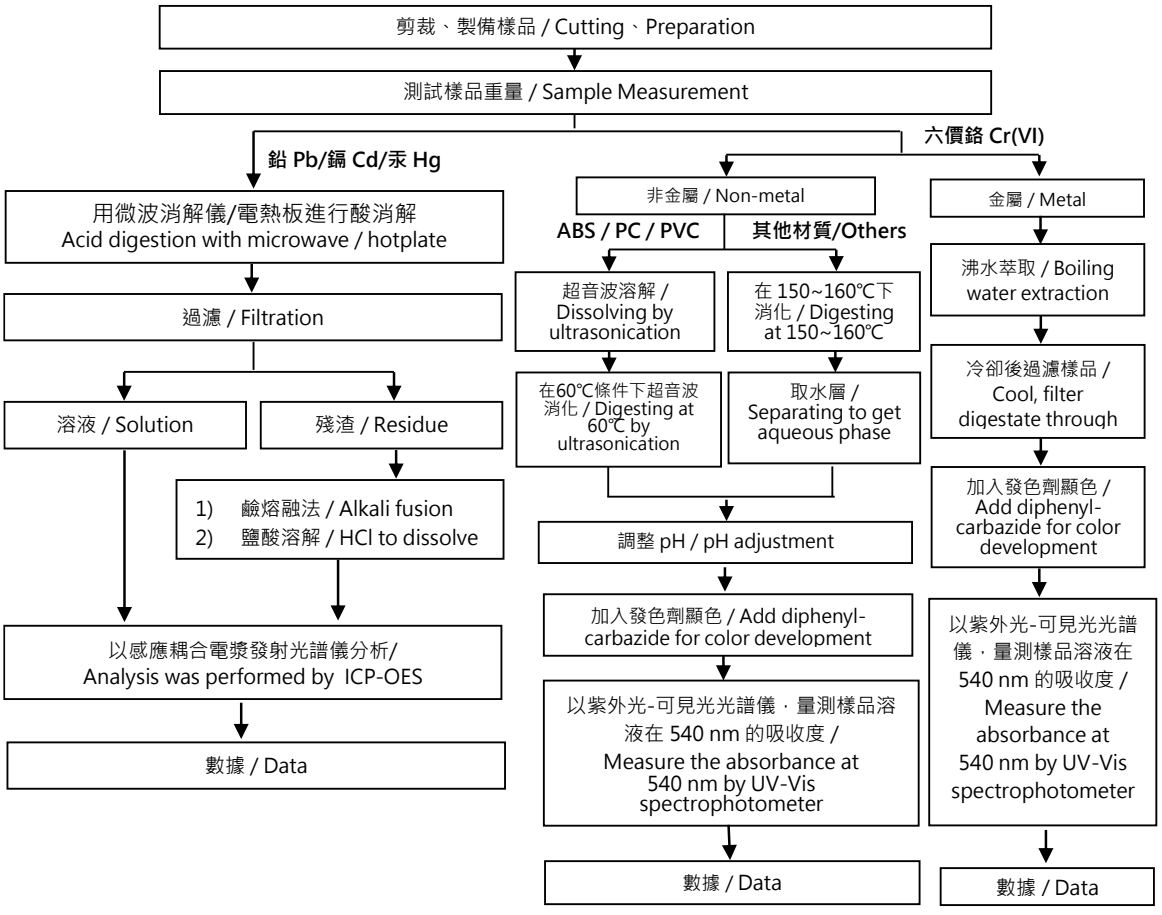
重金屬流程圖 / Analytical flow chart of Heavy Metal

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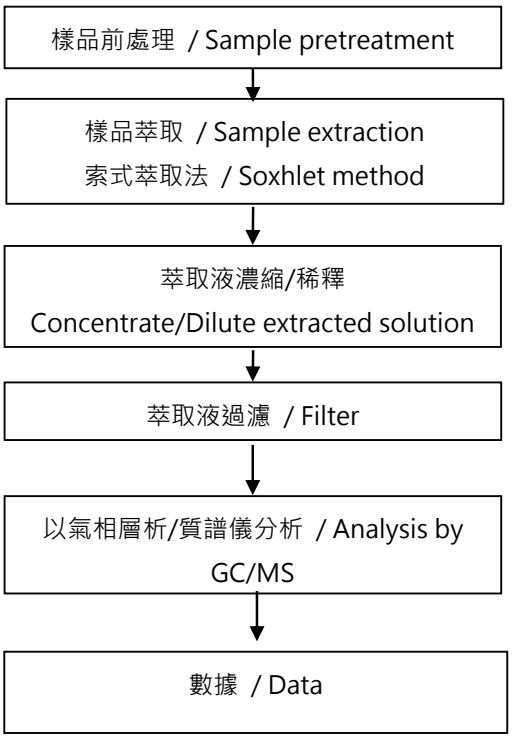
多溴聯苯/多溴聯苯醚 分析流程圖 / PBB/PBDE analytical FLOW CHART



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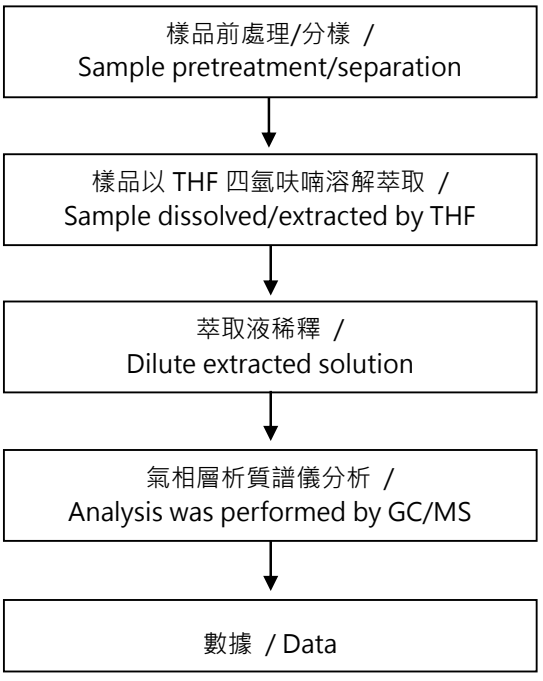
可塑劑分析流程圖 / Analytical flow chart of phthalate content

【測試方法/Test method: IEC 62321-8】



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測試報告
Test Report

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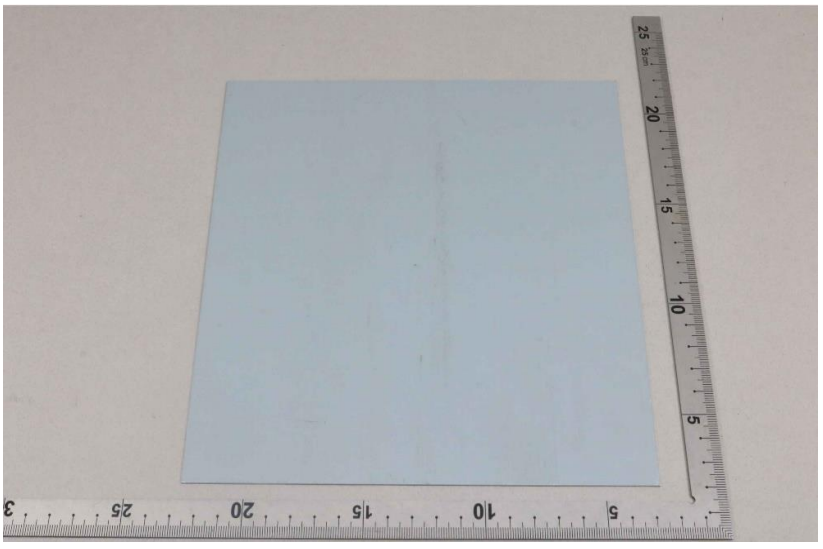
*** 照片中如有箭頭標示，則表示為實際檢測之樣品/部位. ***
(The tested sample / part is marked by an arrow if it's shown on the photo.)

EKR25701268



** 報告結尾 (End of Report) **

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