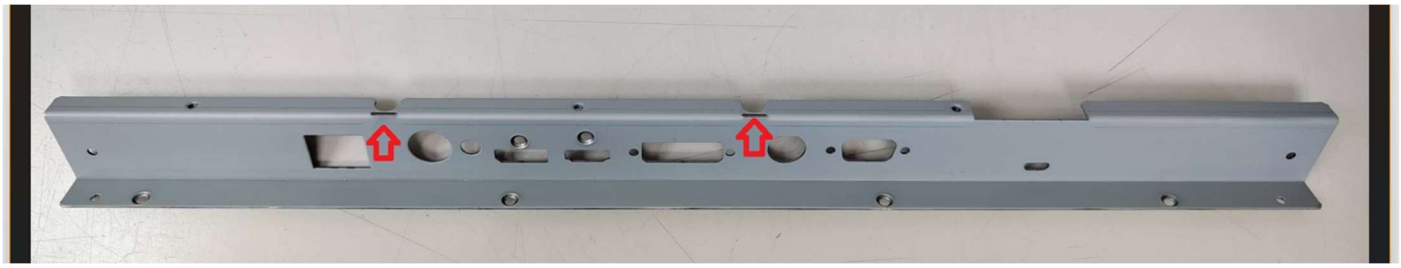
*注意事項:

如圖所示,專用於NCT部品折彎,避免翻料的逃料孔,RD確認可允收

Mail附件說明





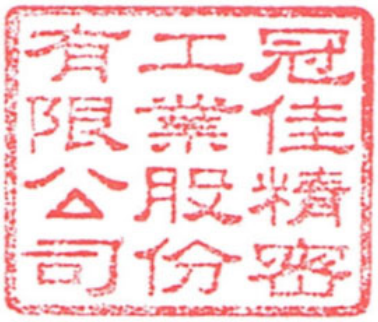
設計驗證
工程課
2024 -12- 23
發行

亨悅工業(股)公司

Hand Well Enterprise CO., LTD.

樣品承認書

APPROVAL SHEET



客　　戶: (Customer Name)	鈺緯科技
料　　號: (Parts Number)	3MDLK6ME030,3MDLK6ME060,3MDLK6ME070,3MDLK6ME080,3MDLK6ME090, 3MDLK6ME100,3MDLK6ME110,3MDLK6ME120,3MDLK6ME130,3MDLK6ME170, 3MDLK6ME200,3MDLK6ME210,3MDLK6ME230,3MDLK6ME240,3MDLK6ME280, 3MDLK6ME290,3MDLK6ME300,3MDLK6ME310,3MDLK6ME340,3MDLK6ME360
品　　名: (Parts Name)	I/O BRACKET
日　　期: (Date)	2024/12/17
送樣數量: (Sample Quantity)	3 PCS

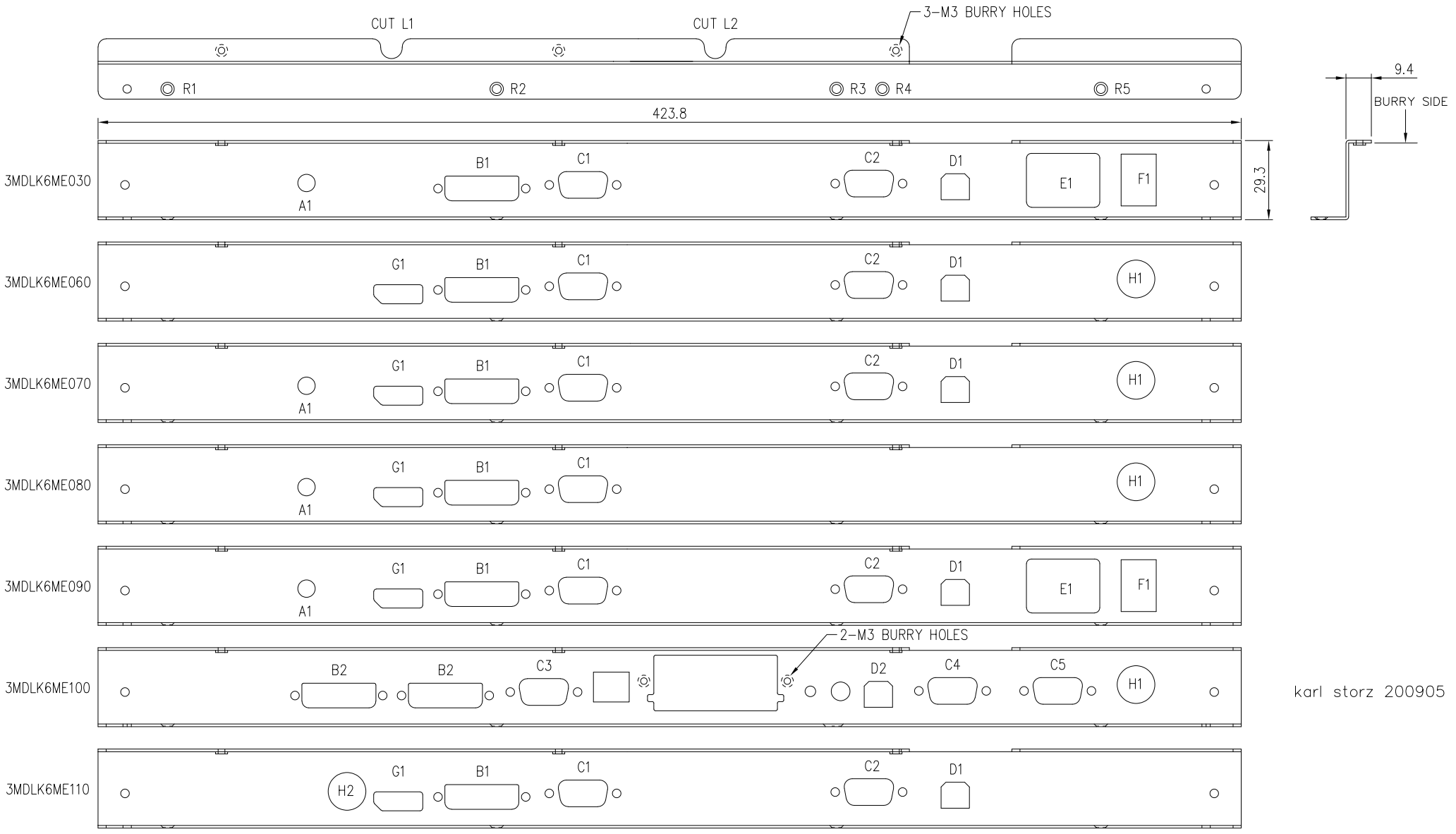


The Table of Contents

No.	Content	Ready "V"
01	客戶圖面 Drawing	V
02	首樣檢驗報告 FAI Report	V
03	材質證明 Material Certificate	V
04	SECC SGS Report	V

(End)

REV.	DATE	DESCRIPTION	BY	ARRD

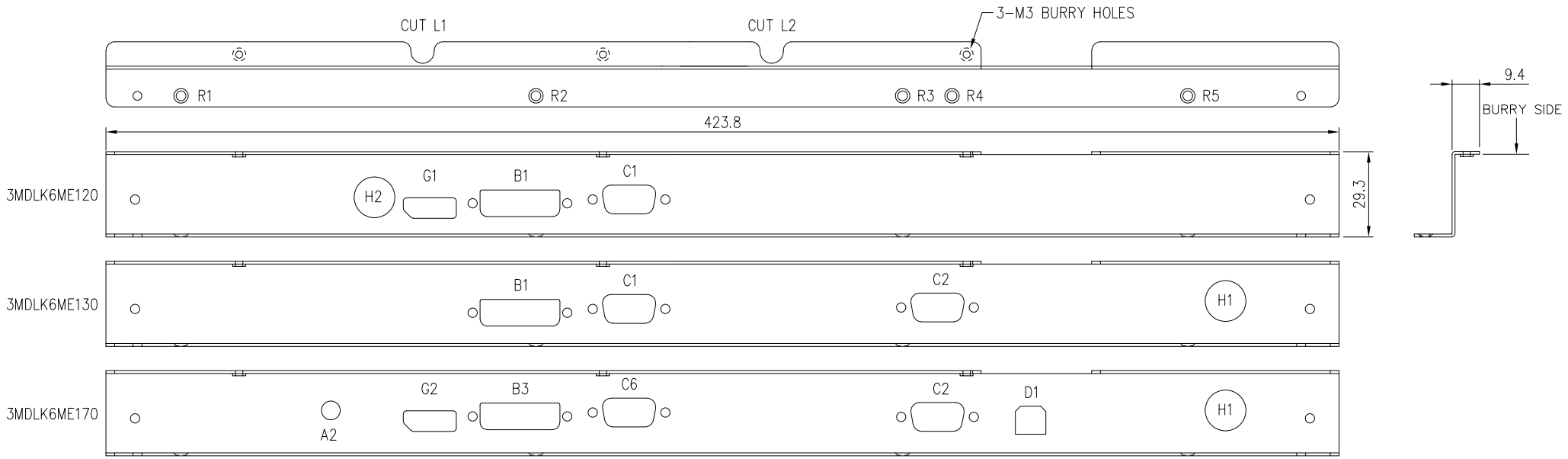


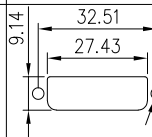
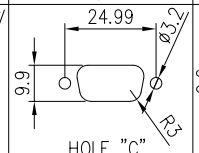
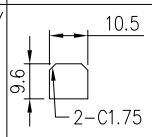
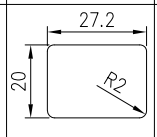
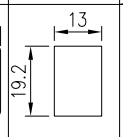
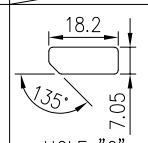
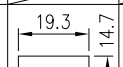
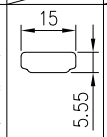
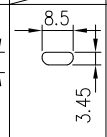
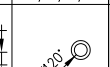
karl storz 200905 24

NOTE: 1. BURRY <0.03MM
2. NO OIL ON SURFACE (DEGREASED).
3. DISTORTION < 0.5MM.
4. NO MENTION TOLERANCE : ±0.2MM.
5. No Use of Prohibited Substances defined in SS-00259 Allowed.
6. IQC INSPECTION DOCUMENT : QWI-014

THIRD ANGLE PROJECTION	UNITS : mm	SCALE : 1 / 1	SHEET : 1 / 5	MODEL NO.: MEE 24"
	MATERIAL :SECC t=1.0		TREATMENT : SEE NOTE	
DSGD by Ferris Tsai	12/17/2024	PART NAME: I/O BRACKET		
APPD by	2024/12/20	PART NO.: SEE NOTE		VER. 9
APPD No. : SEE NOTE	FILE NAME : MDLK6MEIOB	DMA Laboratories ,Ltd.		

REV.	DATE	DESCRIPTION	BY	ARRD

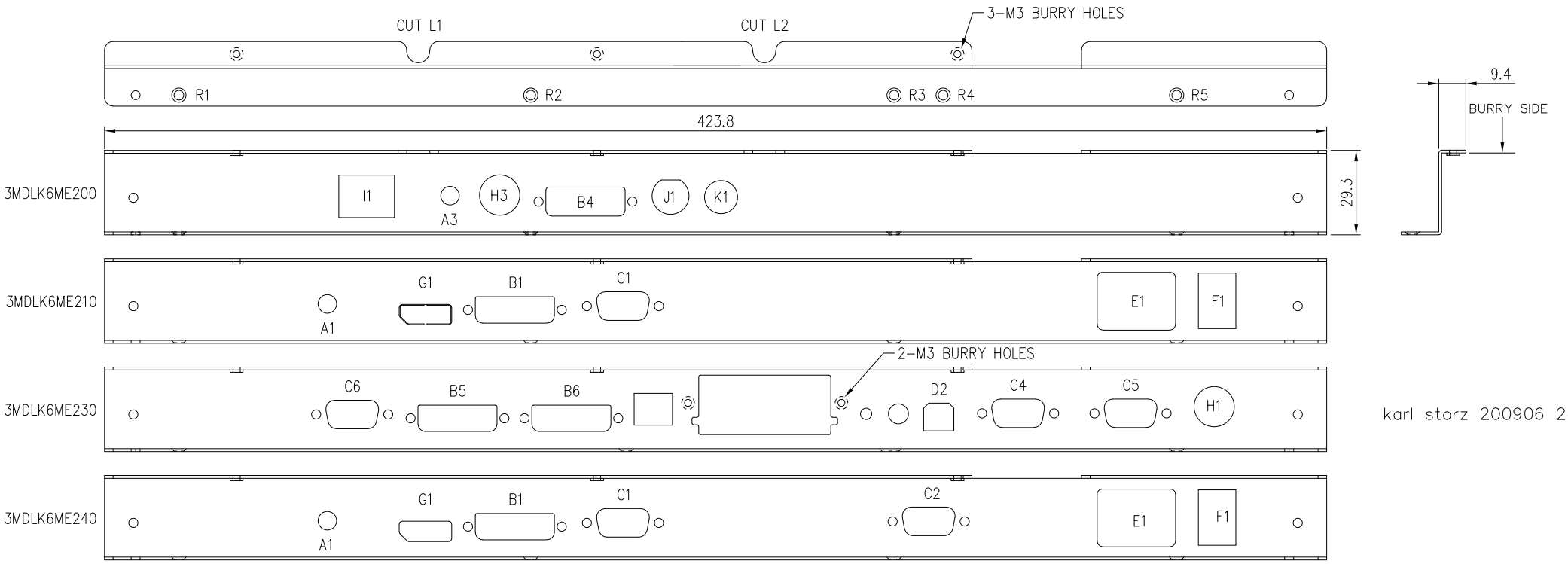


10	3MDLK6ME170	A2	B3	C2,C6	D1			G2	H1							R1,R2,R3,R5	M1889	KLRAP24XAXA-R01
9	3MDLK6ME130		B1	C1,C2					H2							R1,R2,R3,R5	M1889	PC24044R
8	3MDLK6ME120		B1	C1				G1	H2							R1,R2,R3,R5	M1889	TF124
7	3MDLK6ME110		B1	C1,C2	D1			G1	H2							R1,R2,R3,R5	M1889	TF124 TOUCH
6	3MDLK6ME100		B2	C3,C4,C5	D2				H1							R1,R2,R3,R5	M1889	200905 24
5	3MDLK6ME090	A1	B1	C1,C2	D1	E1	F1	G1								R1,R2,R3,R5	M1889	MDRAP24XAXA-ABAU
4	3MDLK6ME080	A1	B1	C1				G1	H1							R1,R2,R3,R5	M1889	MDRAP24XAXA-CAXX
3	3MDLK6ME070	A1	B1	C1,C2	D1			G1	H1							R1,R2,R3,R5	M1889	KLRAP24XAXA-R01
2	3MDLK6ME060		B1	C1,C2	D1			G1	H1							R1,R2,R3,R5	M1889	MDRAP24XAXA-CBXU
1	3MDLK6ME030	A1	B1	C1,C2	D1	E1	F1									R1,R2,R3,R5	M1404	TSD-ST241W-CN
	PART No. / LOCATION / STAND OFF / HOLE	 HOLE "A"	 HOLE "B"	 HOLE "C"	 HOLE "D"	 HOLE "E"	 HOLE "F"	 HOLE "G"	 HOLE "H"	 HOLE "I"	 HOLE "J"	 HOLE "K"	 CUT "L"	 HOLE "M"	 HOLE "P"	 HOLE "R"	APPD No.	REMARK

NOTE: 1. BURRY <0.03MM
2. NO OIL ON SURFACE (DEGREASED).
3. DISTORTION < 0.5MM.
4. NO MENTION TOLERANCE : ±0.2MM.
5. No Use of Prohibited Substances defined in SS-00259 Allowed.
6. IQC INSPECTION DOCUMENT : QWI-014

THIRD ANGLE PROJECTION	UNITS : mm	SCALE : 1 / 1	SHEET : 2 / 5	MODEL NO.: MEE 24"
	MATERIAL :SECC t=1.0		TREATMENT : SEE NOTE	
DSGD by Ferris Tsai	12/17/2024	PART NAME: I/O BRACKET		
APPD by	2024/12/20	PART NO.: SEE NOTE		VER. 9
APPD No. : SEE NOTE	FILE NAME : MDLK6MEIOB	DMA Laboratories ,Ltd.		

REV.	DATE	DESCRIPTION	BY	ARRD



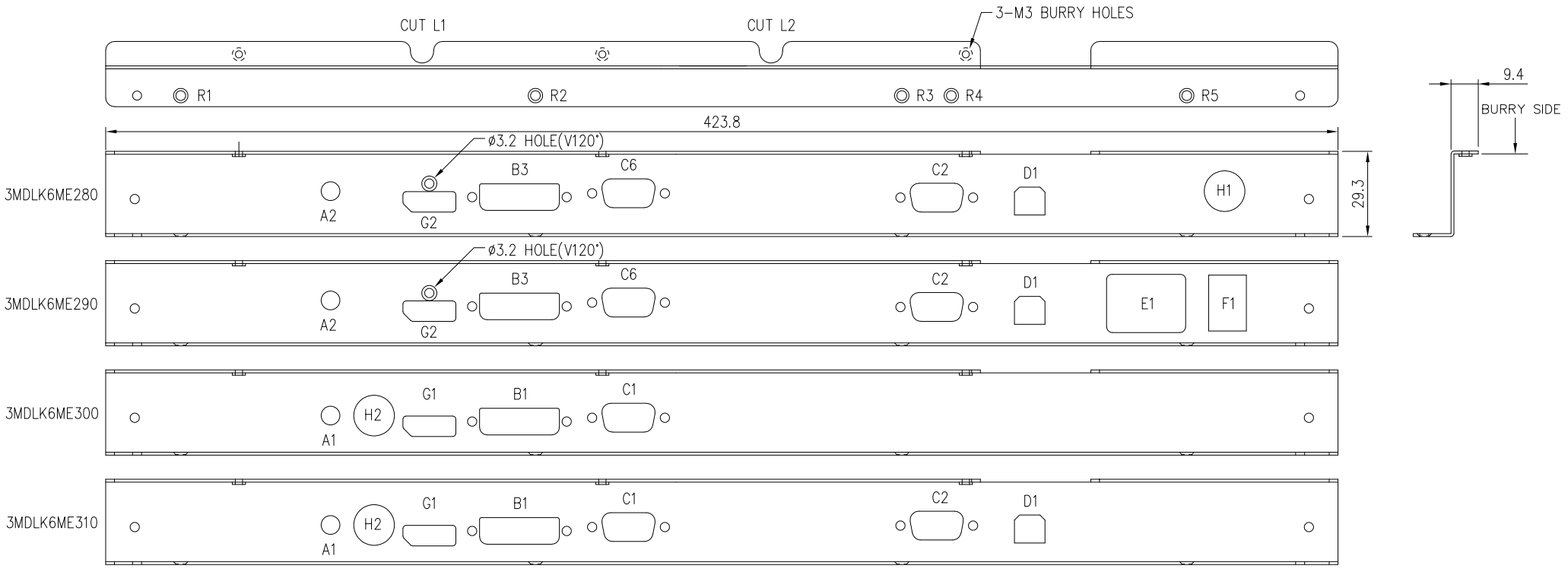
karl storz 200906 24

14	3MDLK6ME240	A1	B1	C1,C2		E1	F1	G1								R1,R2,R3,R5	M1889	RAP2402AMI
13	3MDLK6ME230		B5,B6	C4,C5,C6	D2				H1							R1,R2,R3,R5	M1889	200906 24
12	3MDLK6ME210	A1	B1	C1		E1	F1	G1								R1,R2,R3,R5		SAMPLE ONLY
11	3MDLK6ME200	A3	B4						H3	I1	J1	K1	L1,L2			R1,R2,R3,R5	M1889	VL24176
	PART No. / LOCATION / STAND OFF / HOLE	ø6.5	9.14, 32.51, 27.43, ø3.2	24.99, ø3.2, 9.9, R3	10.5, 9.6, 2-C1.75	27.2, R2, 20	13, 19.2	18.2, 135°, 7.05	ø14	19.3, 14.7	5.54, ø12.83	ø11.5	R3, 3.4, R4	15, 5.55	8.5, 3.45	ø3.4V120°	APPD No.	REMARK
		HOLE "A"	HOLE "B"	HOLE "C"	HOLE "D"	HOLE "E"	HOLE "F"	HOLE "G"	HOLE "H"	HOLE "I"	HOLE "J"	HOLE "K"	CUT "L"	HOLE "M"	HOLE "P"	HOLE "R"		

NOTE: 1. BURRY <0.03MM
2. NO OIL ON SURFACE (DEGREASED).
3. DISTORTION < 0.5MM.
4. NO MENTION TOLERANCE : ±0.2MM.
5. No Use of Prohibited Substances defined in SS-00259 Allowed.
6. IQC INSPECTION DOCUMENT : QWI-014

THIRD ANGLE PROJECTION	UNITS : mm	SCALE : 1 / 1	SHEET : 3 / 5	MODEL NO.: MEE 24"
	MATERIAL :SECC t=1.0		TREATMENT : SEE NOTE	
DSGD by Ferris Tsai 12/17/2024	PART NAME: I/O BRACKET			
APPD by 2024/12/20	PART NO.: SEE NOTE			VER. 9
APPD No. : SEE NOTE	FILE NAME : MDLK6MEIOB	DIVA Laboratories ,Ltd.		

REV.	DATE	DESCRIPTION	BY	ARRD

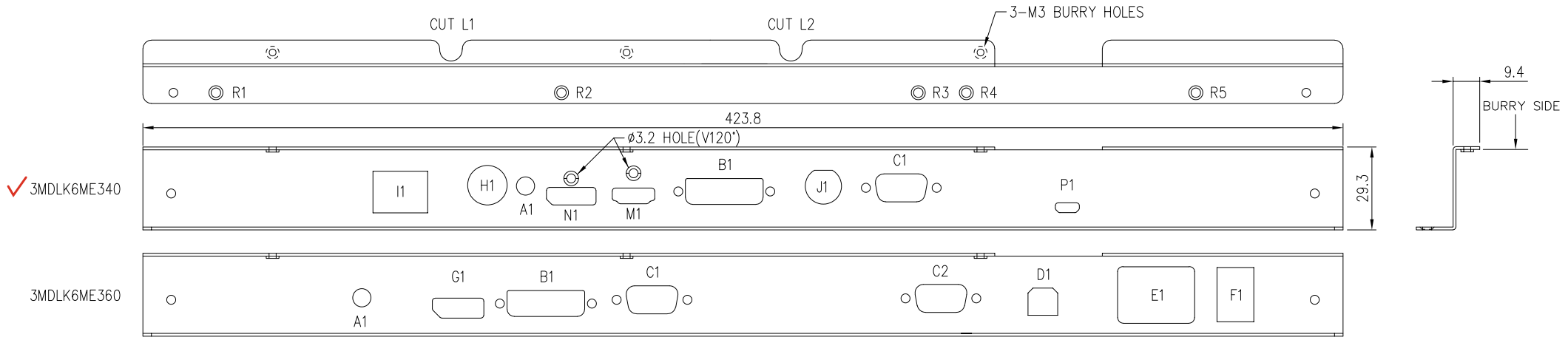


18	3MDLK6ME310	A1	B1	C1,C2	D1			G1	H2						R1,R2,R3,R5	M1889	RAP2422AM-P
17	3MDLK6ME300	A1	B1	C1				G1	H2						R1,R2,R3,R5	M1889	RAP2422AM
16	3MDLK6ME290	A2	B3	C2,C6	D1	E1	F1	G2							R1,R2,R3,R5	M1889	RGP2422AM-P
15	3MDLK6ME280	A2	B3	C2,C6	D1			G2	H1						R1,R2,R3,R5	M1889	RGP2422AM-P
	PART No. / LOCATION / STAND OFF / HOLE	ø6.5 HOLE "A"	9.14, 32.51, 27.43, ø3.2 HOLE "B"	24.99, ø3.2, 9.9, R3 HOLE "C"	10.5, 9.6, 2-C1.75 HOLE "D"	27.2, 20, R2 HOLE "E"	13, 19.2 HOLE "F"	18.2, 135°, 7.05 HOLE "G"	ø14 HOLE "H"	19.3, 14.7 HOLE "I"	5.54, ø12.83 HOLE "J"	ø11.5 HOLE "K"	R3, 3.4, R4 CUT "L"	15, 5.55 HOLE "M"	8.5, 3.45 HOLE "P"	ø3.4V120° HOLE "R"	APPD No.	REMARK

NOTE: 1. BURRY <0.03MM
2. NO OIL ON SURFACE (DEGREASED).
3. DISTORTION < 0.5MM.
4. NO MENTION TOLERANCE : ±0.2MM.
5. No Use of Prohibited Substances defined in SS-00259 Allowed.
6. IQC INSPECTION DOCUMENT : QWI-014

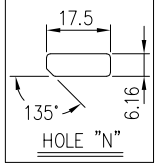
THIRD ANGLE PROJECTION	UNITS : mm	SCALE : 1 / 1	SHEET : 4 / 5 MODEL NO.: MEE 24"
	MATERIAL :SECC t=1.0		TREATMENT : SEE NOTE
DSGD by Ferris Tsai	12/17/2024	PART NAME: I/O BRACKET	
APPD by	2024/12/20	PART NO.: SEE NOTE	VER. 9
APPD No. : SEE NOTE	FILE NAME : MDLK6MEIOB	DIVA Laboratories ,Ltd.	

REV.	DATE	DESCRIPTION	BY	ARRD



設計驗證
工程課
2024-12-23
發行
弘煇科技開發股份有限公司

20	3MDLK6ME360	A1	B1	C1,C2	D1	E1	F1	G1								R1,R4,R5		TSD-PT243-CW-2CT
19	3MDLK6ME340	A1	B1	C1				N1	H1	I1	J1		L1,L2	M1	P1	R1,R2,R3,R5	M1889	VLD24906GTF (NCT)
	PART No. / LOCATION / STAND OFF / HOLE	ø6.5 HOLE "A"	9.14, 32.51, 27.43, ø3.2 HOLE "B"	24.99, ø3.2, 9.9, R3 HOLE "C"	9.6, 10.5, 2-C1.75 HOLE "D"	20, 27.2, R2 HOLE "E"	19.2, 13 HOLE "F"	18.2, 135°, 7.05 HOLE "G"	ø14 HOLE "H"	19.3, 14.7 HOLE "I"	5.54, ø12.83 HOLE "J"	ø11.5 HOLE "K"	3.4, R3, R4 CUT "L"	15, 5.55 HOLE "M"	8.5, 3.45 HOLE "P"	ø3.4V120° HOLE "R"	APPD No.	REMARK



NOTE: 1. BURRY <0.03MM
2. NO OIL ON SURFACE (DEGREASED).
3. DISTORTION < 0.5MM.
4. NO MENTION TOLERANCE : ±0.2MM.
5. No Use of Prohibited Substances defined in SS-00259 Allowed.
6. IQC INSPECTION DOCUMENT : QWI-014

THIRD ANGLE PROJECTION	UNITS : mm	SCALE : 1 / 1	SHEET : 5 / 5	MODEL NO.: MEE 24"
	MATERIAL :SECC t=1.0		TREATMENT : SEE NOTE	
DSGD by Ferris Tsai	12/17/2024	PART NAME: I/O BRACKET		
APPD by	2024/12/20	PART NO.: SEE NOTE		VER. 9
APPD No. : SEE NOTE	FILE NAME : MDLK6MEIOB	DMA Laboratories ,Ltd.		

亨悅工業股份有限公司

樣品尺寸檢驗報告

CUSTOMER 客戶	鈺緯		DATE OF Manufacture 製造日期		2024/12/16
PART NAME 品名(英文)	I/O BRACKET		DATE OF INSP 檢驗日期		2024/12/17
P/N 品號	如備註		MATERIAL 材質		SECC 1.0T
SURFACE TREAT 表面處理	無		成品數量	30	
PRINTING 印刷	無		抽樣數量	5	
Measuring Instrument 使用儀器	A:游標卡尺 B:高度規 C:角度規 D:分厘卡 E:孔規 F:投影机 G:R角規 H:牙規 I:量測儀器 J:外觀目視 K:檢驗治具(螺柱位置)				

No	Location 位置	Specification 圖面尺寸	SAMPLE READING 量測記錄							
			1	2	3	4	5	RE-SULT	MI	備註
1	A8	3-M3-BURRY HOLE	OK	OK	OK	OK	OK	OK	A	
2	B6	423.8±0.3	423.73	423.73	423.87	423.78	423.74	OK	A	
3	B6	Φ3.2 HOLE(V120)	OK	OK	OK	OK	OK	OK	A	
4	B11	29.3±0.1	29.32	29.28	29.33	29.29	29.32	OK	A	
5	B11	9.4±0.1	9.43	9.38	9.43	9.42	9.37	OK	A	
6	B12	BURRT SIDE	OK	OK	OK	OK	OK	OK	A	
7	A1~A3	HOLE A	OK	OK	OK	OK	OK	OK	A	
8	B1~B6	HOLE B	OK	OK	OK	OK	OK	OK	A	
9	C1~C6	HOLE C	OK	OK	OK	OK	OK	OK	A	
10	D1,D2	HOLE D	OK	OK	OK	OK	OK	OK	A	
11	E1	HOLE E	OK	OK	OK	OK	OK	OK	A	
12	F1	HOLE F	OK	OK	OK	OK	OK	OK	A	
13	G1,G2	HOLE G	OK	OK	OK	OK	OK	OK	A	
14	N1	HOLE N	OK	OK	OK	OK	OK	OK	A	
15	H1~H3	HOLE H	OK	OK	OK	OK	OK	OK	A	
16	I1	HOLE I	OK	OK	OK	OK	OK	OK	A	
17	J1	HOLE J	OK	OK	OK	OK	OK	OK	A	
18	K1	HOLE K	OK	OK	OK	OK	OK	OK	A	
19	L1,L2	HOLE L	OK	OK	OK	OK	OK	OK	A	
20	M1	HOLE M	OK	OK	OK	OK	OK	OK	A	
21	P1	HOLE P	OK	OK	OK	OK	OK	OK	A	
22	R1,R4,R5	HOLE R	OK	OK	OK	OK	OK	OK	A	
23										
24										
25										

備註	3MDLK6ME030,3MDLK6ME060,3MDLK6ME070,3MDLK6ME080,3MDLK6ME090, 3MDLK6ME100,3MDLK6ME110,3MDLK6ME120,3MDLK6ME130,3MDLK6ME170, 3MDLK6ME200,3MDLK6ME210,3MDLK6ME230,3MDLK6ME240,3MDLK6ME280, 3MDLK6ME290,3MDLK6ME300,3MDLK6ME310,3MDLK6ME340,3MDLK6ME360	主管	檢驗者
		湯昊丞	宋羽喬

中國鋼鐵 CHINA STEEL

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: t211mae@mail.csc.com.tw

F0337-01 COMPANY REGISTRATION NUMBER: 30414175 0370

客戶名稱 CUSTOMER	永發鋼鐵工業股份有限公司 YUNG FA STEEL & IRON INDUSTRY CO., LTD.			產品名稱 PRODUCT	EG SHEET-COIL
				發票號碼 INVOICE NO.	AM48723811
				證明書編號 CERTIFICATE NO.	090327F0337
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.	DC2340P
				交運日期 SHIPPING DATE	MAR. 26, 2020
				證明書日期 T/C ISSUE DATE	MAR. 27, 2020
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, N/mm2	抗拉 T.S.	伸長 EL %	*02 彎曲試驗	*05 硬度 RB	*12 單點上 g/m2	*13 單點下 g/m2	化學成分 CHEMICAL COMPOSITION % C	Mn	P	S	Si	Cu	Ni	Cr	Al	備註 REMARK
																	2 X10	2 X10	3 X10		2 X10				3 X10	
002	E748658	0.980	1219	COIL	1	11,500	6MB62	55159051	5515905	216	326	45.0	OK	44	18	18	1	15	12	4	1				36	
	E748680	"	"	"	1	11,430	6MB62	55159071	5515907	218	324	45.0	OK	45	18	18	"	"	"	"	"				"	
	E748691	"	"	"	1	11,355	4J487	55168062	5516806	209	324	45.0	OK	43	18	18	2	14	11	3	1				35	
			TOTAL:		3	34,285																				

1MPa = 1N/mm2

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)

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.

Shen-chin Huang

冶金技術處處長
GENERAL MANAGER, METALLURGICAL DEPARTMENT

測試報告
Test Report

號碼(No.): EKR23702128　　日期(Date): 15-Aug-2023　　頁數(Page) : 1 of 8

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 ROAD, HSIAO KANG, KAOHSIUNG 812401, 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))
收件日(Sample Receiving Date)	:	31-Jul-2023
測試期間(Testing Period)	:	31-Jul-2023 to 15-Aug-2023

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: B8D71B40

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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 ROAD, HSIAO KANG, KAOHSIUNG 812401, 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)	限值 (Limit)
				No.1	
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)	參考IEC 62321-6: 2015自訂方法，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015 in house method, 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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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 ROAD, HSIAO KANG, KAOHSIUNG 812401, 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)	參考IEC 62321-6: 2015自訂方法，以氣相層析儀/質譜儀分析。(With reference to IEC 62321-6: 2015 in house method, 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

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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 ROAD, HSIAO KANG, KAOHSIUNG 812401, TAIWAN, REPUBLIC OF CHINA)

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.)
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.)

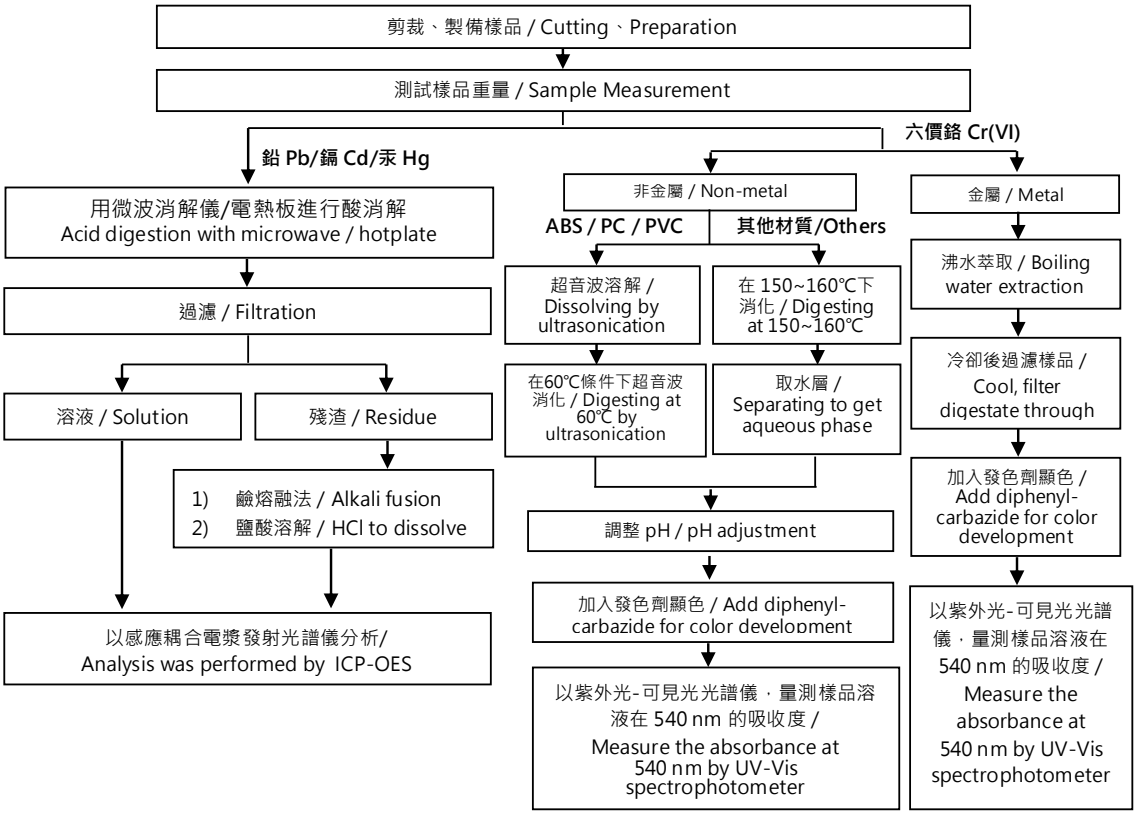
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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 ROAD, HSIAO KANG, KAOHSIUNG 812401, TAIWAN, REPUBLIC OF CHINA)

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

根據以下的流程圖之條件，樣品已完全溶解。（六價鉻測試方法除外）

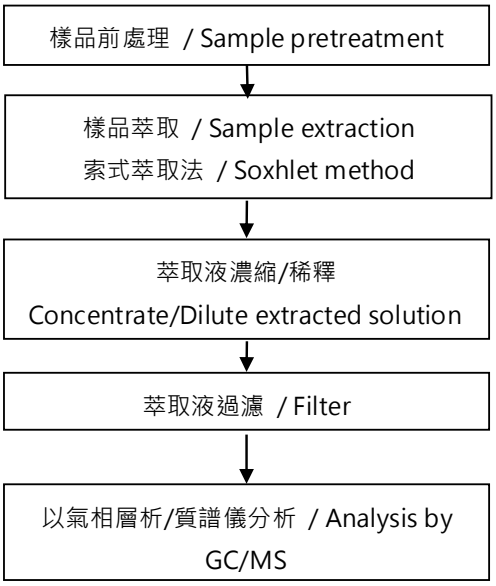
These samples were dissolved totally by pre-conditioning method according to below flow chart. （Cr^{6+} test method excluded）



This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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 ROAD, HSIAO KANG, KAOHSIUNG 812401, TAIWAN, REPUBLIC OF CHINA)

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

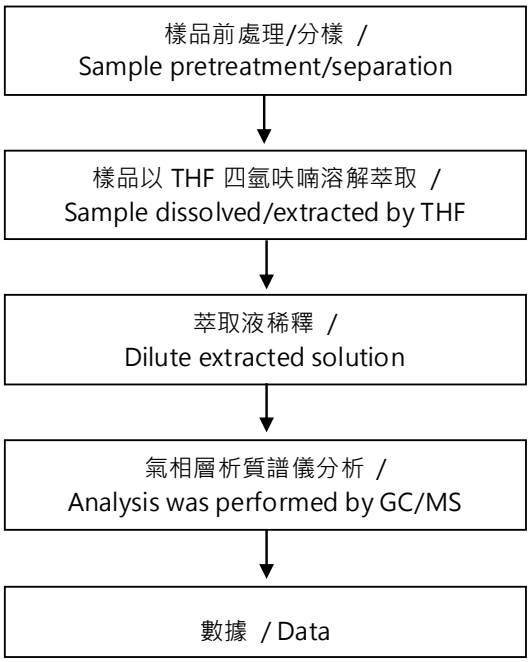


This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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 ROAD, HSIAO KANG, KAOHSIUNG 812401, TAIWAN, REPUBLIC OF CHINA)

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

【測試方法/Test method: IEC 62321-8】



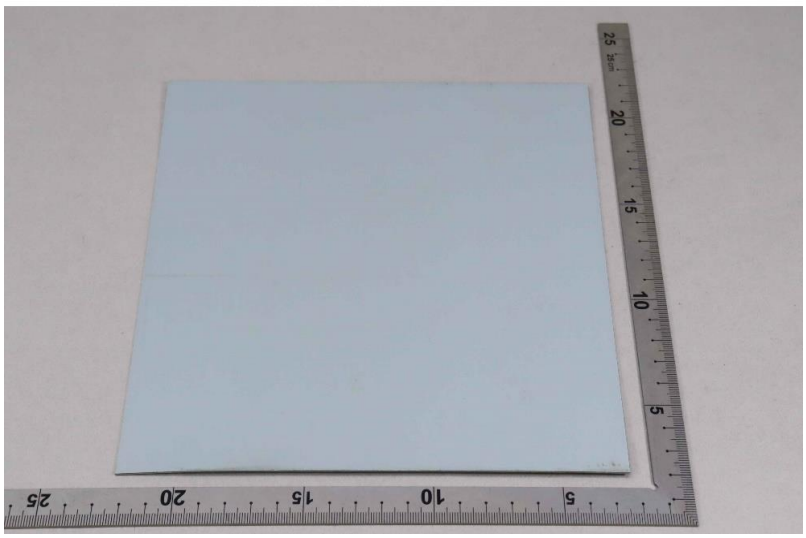
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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 ROAD, HSIAO KANG, KAOHSIUNG 812401, TAIWAN, REPUBLIC OF 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.)

EKR23702128



** 報告結尾 (End of Report) **

This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com.tw/terms-of-service and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at https://www.sgs.com.tw/terms-of-service. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of client's instruction, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced, except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.