



# 鉅耕有限公司

## ARUN CO., LTD.

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### INSPECTION REPORT

REPORT NO.: A1041130002

CUSTOMER:		DATE:		PAGE: 1	
PO NO.:		LOT NO.:		UNIT: mm	
DESCRIPTION: C1022, HEX FLANGE HEAD, SELF DRILLING SCREWS, 5/16" A/F, #3 LEVIN POINT, AS3566-2002, CLASS 3 ( C 3 ), MECHANICAL GALVANIZED + RUSPERT COATING 1,000HRS + 15 CYCLE					
SIZE: #12X50		CODE:			
MATERIAL: C1022		Q'TY: _____ PCS		SAMPLE: ___ PCS	
INVOICE NO.:		REMARKS:			
INSPECTION ITEM	STANDARD	MEASUREMENT	RESULT		
HEAD HEIGHT	5.90 ~ 6.40	6.09 ~ 6.28	PASS		
WASHER DIAMETER	13.97 ~ 14.78	14.25 ~ 14.51	PASS		
MAJOR DIAMETER	5.31 ~ 5.46	5.35 ~ 5.40	PASS		
SCREW LENGTH	48.70 ~ 51.30	49.56 ~ 50.37	PASS		
ACROSS FLATS	7.75 ~ 7.93	7.83 ~ 7.86	PASS		
ACROSS CORNERS	MIN. 8.64	8.95 ~ 9.13	PASS		
POINT WIDTH	4.57 ~ 4.70	4.63 ~ 4.66	PASS		
POINT LENGTH	7.00 ~ 8.50	7.85 ~ 8.36	PASS		

WE HEREBY CERTIFY THAT PRODUCT DESCRIBED HEREIN HAS BEEN MANUFACTURED AND TESTED WITH SATISFACTORY RESULTS IN ACCORDANCE WITH THE REQUIREMENT OF THE SPECIFICATION.

MANAGER: *Bruce Chen*

INSPECTOR: FION



# 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 81233  
 TAIWAN, REPUBLIC OF CHINA  
 TEL: (07)802-1111 FAX: (07)802-2511, (07)801-9427  
 E-MAIL: t211mac@mail.csc.com.tw

B0061-01 COMPANY REGISTRATION NUMBER: 30414175 0253

客戶名稱 CUSTOMER	SAE 1022 AL-KILLED (GMQ) In Accordance with EN10204 3.1						產品名稱 PRODUCT	ROD-CARBON STEEL				
							發票號碼 INVOICE NO.	WE89830448	證明書編號 CERTIFICATE NO.	040626B0061		
規格名稱 SPEC.	SAE 1022 AL-KILLED (GMQ) In Accordance with EN10204 3.1						客戶編號 CUSTOMER NO.	22297842	中鋼訂單編號 CSC ORDER NO.	LW5770C		
							交運日期 SHIPPING DATE	JUN. 24, 2015	證明書日期 T/C ISSUE DATE	JUN. 26, 2015		
檢驗 INSP.	CSC MILL INSPECTION.						T/C	01			客戶訂單編號 CUST ORDER NO.	

項目 ITEM NO.	產品序號 SEQ. NO.	尺寸 DIMENSIONS			數量 QTY	質量 MASS kg	爐號 HEAT NO.	化學成分 CHEMICAL COMPOSITION %											備註 REMARKS						
		直徑/厚 DIA/THICK mm	寬度 WIDTH	長度 LENGTH mm				C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Al								
001	L6077 01	5.50		COIL	24	46,555	MG223	21	74	13	1	5Tr	1	2	38										
		TOTAL:			24	46,555																			

註釋  
NOTES

Tr: TRACE ELEMENT WITH ITS CONTENT CONFORMING TO THE SPECIFICATION

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.

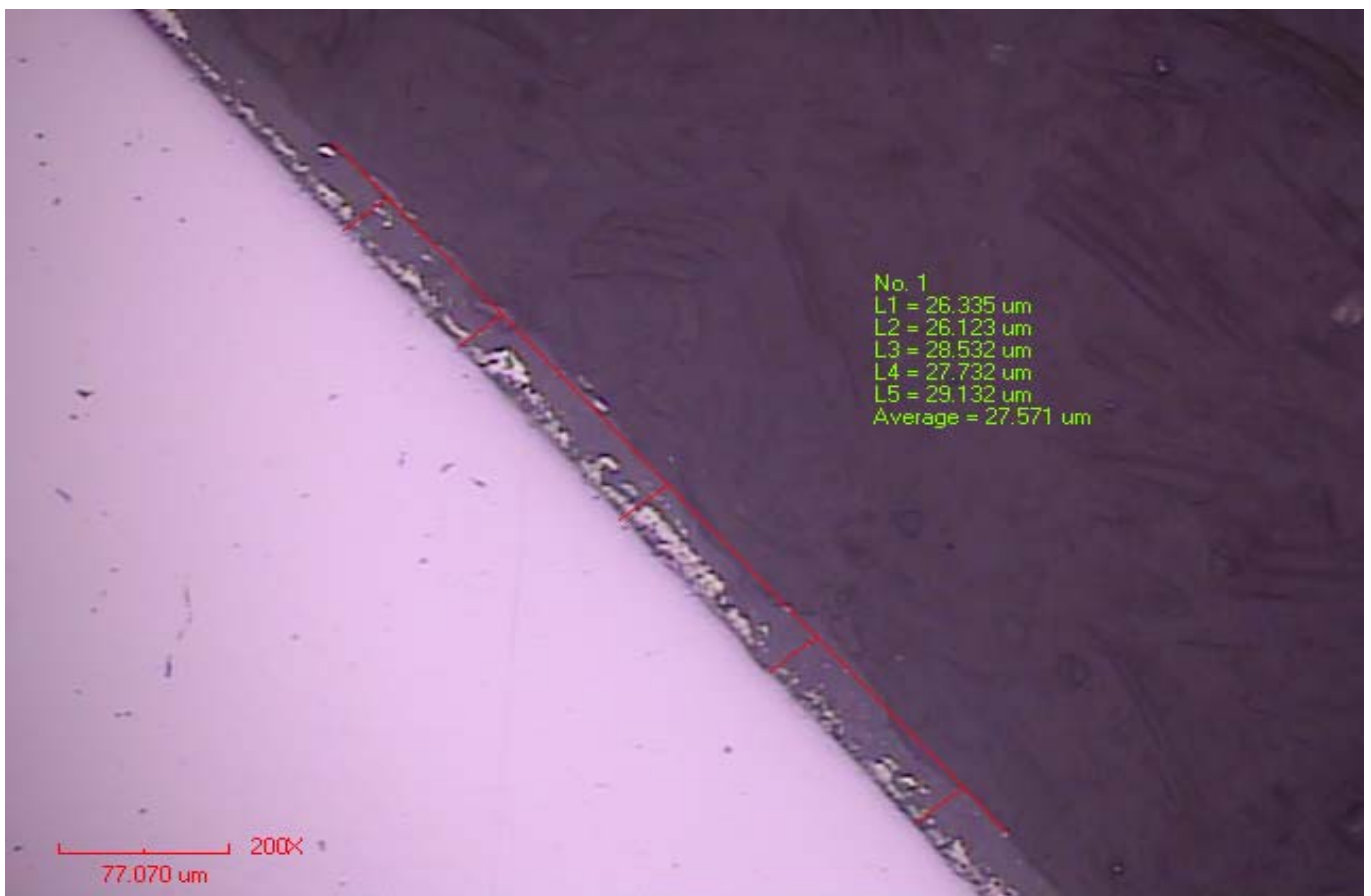
CHUNG CHIANG LUANG  
 冶金技術處處長  
 GENERAL MANAGER, METALLURGICAL DEPARTMENT

# ARUN CO., LTD.

## THICKNESS INSPECTION REPORTS

Client :	Description: HWHF BK #12 X 50	PO :
Date : 104.12.01	Weight : 485 KG	Model : OLYMPUS BX51M--200X

Surface conditions : MG C3-25u



# ARUN CO., LTD.

## 鹽水噴霧測試報告

### SALT SPRAY TEST REPORT

客戶名稱 (CUSTOMER) :			
訂單編號 (LOT NO) :			
品名 / 規格 (SIZE) :		HWF BK / #12 X 50	重量 (Weight) : 406 KG
處理別 : MG C3 25U+TA-390		測試條件 : 1000H RED (紅)	
試 驗 時 間	開始 :	2015 年 05 月 29 日	AM : 10 : 00
	START DATE :		
	終止 :	2015 年 07 月 10 日	PM : 14 : 00
END DATE :			
測試依據 (TEST METHOD) :		ASTM B117	

- 鹽水濃度 (NaCl CONCENTRATION) : 5% ±1%
- 酸鹼值 (PH) : 6.5 – 7.2
- 壓縮空氣壓 (COMPRESSED AIR) : 0.7 – 1.8 kg / cm<sup>2</sup>
- 比重 (SPECIFIC GRAVITY) : 1.0255 – 1.0400
- 飽和空氣桶溫度 (PRESSURED TANK TEMP) : 46 – 48°C
- 噴霧量 (FOG VOLUME) : ml / 80 cm<sup>2</sup> / H (1.0 – 2.0 cc / H)
- 試驗室溫度 (CABINET TEMP) : 33.3 – 36.1°C



測試前 (Before)



測試後 (After)

TEST RESULT	白 銹	WHITE RUST	紅 銹	RED RUST
		—————		OK
測試結果	合格 (PASS)			

實驗負責人 (Laboratory Head) :

檢驗員 (Inspector) :

ARUN CO., LTD.

**Kesternich Test Report (酸雨試驗報告)**




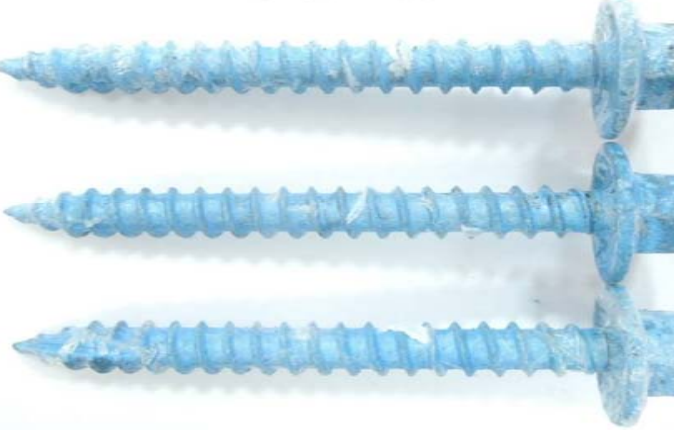
<b>Po No.</b> 訂單號碼	
<b>Coating</b> 表面處理	<b>Shallow silverblue 1500 Hours + 20 Cycles</b>
<b>Customer</b> 客戶	

<b>Specification 規 範</b>			
<b>Standard Designation</b>		DIN 50018 - 2.0 S	
<b>Test Cycle</b> (24 hours)	<b>1st test phase</b> (8 hours, including preheating.)	<b>Temperature</b>	(40 ± 3)°C
		<b>Relative Humidity</b>	About 100%
	<b>2nd test phase</b> (16 hours, including cooling in opened or ventilated test chamber.)	<b>Temperature</b>	18 to 28 °C
		<b>Relative Humidity</b>	75% Maximum
<b>Water at Bottom of Test Chamber</b>			0.67% Maximum


Line	SIZE	P/N	Sample(pcs)	Date/Time(Start)	Date/Time(End)	Test Cycles	Test Result
項次	尺寸	產品編號	抽樣支數	起測日期&時間	止測日期&時間	循環	測試結果
1	#12 X 50	HWHF BK	3	2015.12.04	2015.12.31	20	Pass
2	#12 X 50	HWHF T-17	3	2015.12.04	2015.12.31	20	Pass
3	#12 X 65	HWHF BK DOUBLE THREAD	3	2015.12.04	2015.12.31	20	Pass

**Kesternich Test Report (酸雨試驗報告)**

**Result Picture**

Line	SIZE	Sample(Start Test)	Sample(End Test)
1	#12X50	<p data-bbox="719 344 936 384">2015.Dec.4</p> 	<p data-bbox="1518 344 1765 384">2015.Dec.31</p> 
2	#12X50	<p data-bbox="719 874 936 914">2015.Dec.4</p> 	<p data-bbox="1518 874 1765 914">2015.Dec.31</p> 

**Result Picture**

Line	SIZE	Sample(Start Test)	Sample(End Test)
3	#12X65	<p data-bbox="734 347 922 395">2015.Dec.4</p> 	<p data-bbox="1541 347 1765 395">2015.Dec.31</p> 