

INSPECTION CERTIFICATE

Report No.	2018110048
Order No.	012325
S/C No.	WSF-81431
Invoice No.	WSF-8082
Control Nos.	
Test Date	Nov/28/2018
Issue Date	Nov/29/2018
Ship Quantity	3150 Sets
Lot Quantity	3150 Sets

Customer	CHUN YU WORKS (USA) INC.
Description	ASTM F3125/F3125M-15a GRADE F2280 DOME HEAD TYPE 1
Size	1"-8 X 3-1/4"
Set Lot No.	A8143100507-11
Part No.	277780
Surface	PLAIN FINISHED.



CHUN YU WORKS & CO., LTD.

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www.chunyu.com.tw



TTQ 05206



Quality Management
CC017



SGS
IATF 02208 10



N° 2010/08522.4

Chemical Specification and Composition(%)

Division	Material	Heat No	C	Si	Mn	P	S	Cr	Mo	Ni	Cu	V	Ti	Al	B
			X100			X1000		X100			X1000			X10000	
Bolt	SAE 4140	Spec	30 48		60 Min	35 Max	40 Max								30 Max
	1P751	Heat	40	25	84	19	15	87	17	1			3	53	2
Nut	S45C	Spec	18 58		57 Min	48 Max	58 Max								
	JE218	Heat	45	21	70	14	4	3		1	3			2	
Washer	10B20	Spec				50 Max	60 Max								
	1NH32	Heat	20	4	37	24	6							30	18

Mechanical Properties - Bolt

Lot No:	8143100507-11			
Grade	ASTM F3125/F3125M-15a GRADE F2280 TYPE 1			
	Spec.	Unit	Meas	Avg
Tensile Test under Wedge Loading(10°)	90900 104850	Lbf	102200 102800	102400
Proof Load	72700 Min	Lbf	73000 73500	73500
Hardness	38 Max	HRC	35 36	35

Mechanical Properties- Nut

Lot No:	8143101202-11			
Grade	ASTM A563-07 DH			
	Spec.	Unit	Meas	Avg
Proof Load	175 Min	ksi	177 177	177
Hardness	24 38	HRC	25 27	26

Mechanical Properties- Washer

Lot No:	8143101101-11			
Grade	ASTM F436-07 TYPE1			
	Spec.	Unit	Meas	Avg
Washer Hardness	38 45	HRC	40 42	41

Assembly Lot Tension Test

	Spec.	Unit	Measurements					Avg
Assembly Lot Tension Test	66800 Min	Lbf	82209	79895	79785	80005	80005	80380

Marking

Bolt		Nut		Washer	
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Visual, Dimensional, and Thread Inspections

	Bolt	Nut	Washer
Dimensions	OK	OK	OK
Visual	OK	OK	OK
Thread	OK	OK	---

Notes

We hereby certify that the above material has been satisfactorily tested in accordance with the material specifications.



S.M.CHANG

Authorized Signature
Manager of Q.A. Department

品質證明書

TEST CERTIFICATE

客戶名稱 CUSTOMER	春雨工廠股份有限公司 CHUN YU WORKS	產品名稱 PRODUCT	BAR-CARBON STEEL		
規格名稱 SPEC.	JIS G4051 S45C (DRQ)	發票號碼 INVOICE NO.	ZQ40807537	證明書編號 CERTIFICATE NO.	070228B0397
		客戶編號 CUSTOMER NO.	88187108	中鋼訂單編號 CSC ORDER NO.	DW2686J
		交運日期 SHIPPING DATE	FEB. 27, 2018	證明書日期 T/C ISSUE DATE	FEB. 28, 2018
檢驗 INSP.	CSC MILL INSPECTION	T/C	02	客戶訂單編號 CUST ORDER NO.	OWWW

項目 ITEM NO.	產品序號 SEQ. NO.	尺寸 DIMENSIONS			數量 QTY	質量 MASS kg	爐號 HEAT	化學成分 CHEMICAL COMPOSITION %											備註 REMARKS							
		直徑/ DIA/THICK mm	寬度 WIDTH	長度 LENGTH mm				C	Mn	P	S	Si	Cu	Ni	Cr	Al	NC									
001	BM822 01	34.00		COIL	29	55.544	JE218																			
	BM822 02	"		"	19	36.474	JE224																			 
	TOTAL:				48	92.018																				

NC = NI + CR

註釋
NOTES

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.

SURVEYED BY

Yong-Kuan Chen

冶金技術處處長
 GENERAL MANAGER, METALLURGICAL DEPARTMENT



CHINA STEEL

10706005

品質證明書
TEST CERTIFICATE

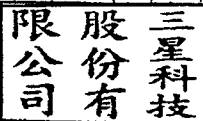
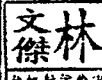
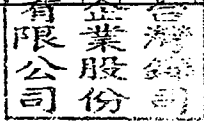
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TEL: (07)802-1111 FAX: (07)802-2511, (07)801-9427
E-mail: t21lmae@mail.csc.com.tw
B0200-01 COMPANY REGISTRATION NUMBER: 30414175 0634


客戶名稱 CUSTOMER	三星科技股份有限公司 SAN SHING FASTECH CORP.				產品名稱 PRODUCT	BAR-CARBON STEEL			
	規格名稱 SPEC	CSC SPEC 10B20 (HCWQ2)				發票號碼 INVOICE NO.	DWA0778596	證明書編號 CERTIFICATE NO.	07060180200
檢驗 INSP		CSC MILL INSPECTION				客戶編號 CUSTOMER NO.	68040606	中鋼訂單編號 CSC ORDER NO.	DW3404D
		T/C 01				交運日期 SHIPPING DATE	MAY. 31, 2018	證明書日期 T/C ISSUE DATE	JUN. 01, 2018
					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													備註 REMARKS
		直徑/ DIA/THICK	寬度 WIDTH	長度 LENGTH																
		mm	mm	mm																
008	BS040 01	30.00		COIL	7	13,863	1NH32													
		TOTAL:			7	13,863														

註釋
NOTES


 無幅射污染證明經銷商專用章


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 冶金技術處處長
 GENERAL MANAGER, METALLURGICAL DEPARTMENT