



INSPECTION CERTIFICATE

PANTECH STEEL INDUSTRIES SDN. BHD. (509731-A)

LOT 13258 & 13259, Jalan Haji Abd. Manan,

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WROUGHT CARBON STEEL BUTTWELDING FITTINGS

EN10204:2004 3.1

Purchaser : ALLIED FITTING CORP

Certificate No : PSI 57717

Date : 26-Nov-08

Order No.	Invoice No.	Specification for Pipe	Specification for Fittings: Made from Seamless Pipe	Specification for Inspection											
71908NPS-2	E 5567	ASTM A106 - 06 / API 5L - 04 PSL1 Gr. B & NACE MR0175 - 03	ASTM A234 - 07 / ASME SA 234 - 07 WPB	ASME B16.9 - 07 & ASME B16.28 - 94											
Batch No.	Product & Size	Quantity (pcs)	Pipe Mill	Pipe Heat No.											
GH 403	3" 90 DEG LR XXS ELBOW	50	JIANGSU HUASHUN STEEL TUBE	605766											
GG 102	5" 90 DEG LR XXS ELBOW	15	BAOTOU IRON & STEEL	BF6204-294											
GC 707	1 1/4" XS TEE	50	YANTAI GENERAL STEEL PIPE	06030381-27											
J 401	1 1/2" XS TEE	75	WUXI NANFANG STEEL TUBE	W 078002											
Visual Examination		Dimensional Inspection		Heat Treatment	Magnetic Particle Testing										
GOOD		GOOD		H	N.A										
GOOD		GOOD		H	N.A										
GOOD		GOOD		S	GOOD										
GOOD		GOOD		S	GOOD										
Specification	Chemical Composition (%)											Tensile Test *1			Hardness (HB)
	C x100	Si x100	Mn x100	P x1000	S x1000	Ni x100	Cr x100	Mo x100	Cu x100	V x1000	CE x100	YS (KSI / MPa)	TS	E (%)	
Min	-	10	29	-	-	-	-	-	-	-	-	240	415	22	
Max	-	10	29	-	-	-	-	-	-	-	-	240	415	22	
Pipe Heat No.	30	-	106	50	58	40	40	15	40	80	50	-	655	-	197
605766	20	20	53	5	10	5	3	0.2	11	2	31	280	440	43.5	179
BF6204-294	19	20	47	22	6	2	5	2	3	10	31	335	510	31.5	142
06030381-27	20	21	53	4	10	1	22	0.1	1	1	34	340	540	31	165
W 078002	19	18	57	17	10	1	3	0	6	0	30	320	495	31	135

WE HEREBY CERTIFY THAT THE PRODUCT DESCRIBED HEREIN HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION AND PURCHASE ORDER; AND SATISFIED THE REQUIREMENTS.

NOTE:

H: Hot formed in temperature between 620°C - 980°C and cooled in still air.

S: Stress relieved in temperature between 595°C - 690°C and cooled in still air.

*1: YS = Yield strength TS=Tensile strength E = Elongation

**ALLIED FITTING
TRUE COPY OF
ORIGINAL MTR
SIGN**



Quality Assurance Manager

