

# INSPECTION CERTIFICATE

PANTECH STEEL INDUSTRIES SDN. BHD. (609731-A)

LOT 13258 & 13259, Jalan Haji Abd. Manan,

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## WROUGHT CARBON STEEL BUTTWELDING FITTINGS

EN10204:2004 3.1

Certificate No : PSI 59839

Date : 12-Mar-09

Purchaser : ALLIED FITTING CORP

Order No.	Invoice No.	Specification for Pipe	Specification for Fittings: Made from Seamless Pipe	Specification for Inspection											
120608NPS-5	E 5842	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.										
C 816	5" 90 DEG LR XXS ELBOW		30	HUNAN HENGYANG STEEL TUBE	58F										
GG 102	5" 45 DEG LR XXS ELBOW		10	BAOTOU IRON & STEEL	BF6204-294										
J 502	6" 45 DEG LR XXS ELBOW		5	SUMITOMO METAL INDUSTRIES	J7K1376										
JN 312	8" STD TEE		10	PANGANG GROUP CHENGDU IRON & STEEL	P08703447										
Visual Examination		Dimensional Inspection		Heat Treatment	Magnetic Particle Testing										
GOOD		GOOD		H	N.A										
GOOD		GOOD		H	N.A										
GOOD		GOOD		H	N.A										
GOOD		GOOD		S	GOOD										
Specification	Chemical Composition (%)											Tensile Test <sup>*1</sup>			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 (KSI / MPa)	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
58F	14	28	72	18	10	3	3	0.1	11	1	28	310	515	39	161
BF6204-294	19	20	47	33	6	2	5	2	3	10	31	335	510	31.5	142
J7K1376	19	23	96	17	6	3	5	1	2	0	37	320	498	36	137
P08703447	18	27	49	13	8	3	2	1	3	10	29	310	465	40	113

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.

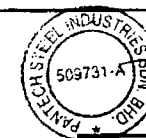
**NOTE:**

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

