



INSPECTION CERTIFICATE

PANTECH STEEL INDUSTRIES SDN. BHD. (498721-A)

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Cert. No.: IR 040926

PD 57/2A/EC Annex 1 Class 4.2

Cert. No.: 0034/PEI/ARJM/06300701

WROUGHT CARBON STEEL BUTTWELDING FITTINGS

INSPECTION DOCUMENT: EN10204:2004 Type 3.1

Purchaser: ALLIED FITTING CORP

Certificate No: PSI 67115

Date: 23-Jul-10

Order No.	Invoice No.	Specification for Pipe	Specification for Fittings: Made from Seamless Pipe	Specification for Inspection											
52110CPS-2	E 6707	ASTM A106 - 08 / API 5L - 07 PSL1 Gr. B & NACE MR0175 - 03	ASTM A234 - 07 / ASME SA 234 - 07 WPB / CSA Z245.11 - 05 Cat. I Gr.241	ASME B16.9 - 07											
Heat No.	Product & Size	Quantity (pcs)	Pipe Mill	Pipe Heat No.											
JH 308	2" 90 DEG LR S160 ELBOW	300	YANTAI STEEL PIPE PLANT	08703487											
FA 206	4" 45 DEG LR S180 ELBOW	40	SUZHOU SEAMLESS STEEL TUBE	503A-54											
CA 307	6" 90 DEG SR S180 ELBOW	5	BOASHAN IRON & STEEL	318022											
FE 106	3" 45 DEG LR XXS ELBOW	5	JIANGSU ZHENDA STEEL TUBE GROUP	YS06-400											
HF 703	3" 90 DEG SR XXS ELBOW	5	YANTAI STEEL PIPE PLANT	00730620											
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		H	N.A										
GOOD		GOOD		H	N.A										
Specification	Chemical Composition (%)											Tensile Test ¹⁾			Hardness (HB)
	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	CE	YS (KSI / MPa)	TS (%)	E	
Min	x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x1000	x100	240	415	22	
Max	-	10	29	-	-	-	-	-	-	-	-	-	-	-	
Heat No.	30	-	106	50	58	40	40	15	40	80	50	655	-	197	
JH 308	17	26	44	23	11	1	3	0	1	3	26	311	439	41.6	
FA 206	19	23	40	16	10	5	8	1	16	14	32	270	435	36.5	
CA 307	20	23	60	7	4	3	3	1	7	0	31	282	458	43.5	
FE 106	21	23	50	16	8	1	5	0	8	0	31	360	480	31.5	
HF 703	19	27	60	18	13	3	8	0	12	3	32	317	472	41.9	

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.

TENSILE REQUIREMENT: CONFORMS TO ASTM A370 STANDARD, LONGITUDINAL DIRECTION, GAUGE LENGTH 2" (50mm)

NOTE:

N: Normalized at 910°C

Q: Heated to 910°C and quench in water.

T: Temper between 590°C - 690°C.

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

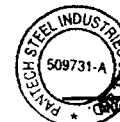
H: Hot formed in temperature between 620°C - 980°C and cooled in still air.

YS: Yield Strength

TS: Tensile Strength

E: Elongation

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



Quality Assurance Manager