



INSPECTION CERTIFICATE

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

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Cert. No.: KLR 0403926

PED 97/23/EC Annex 1 Clause 4.3

Cert. No.: 0038/PED/MUM/0810070/1

WROUGHT CARBON STEEL BUTTWELDING FITTINGS

INSPECTION DOCUMENT: EN10204:2004 Type 3.1

Certificate No : PSI 79053

Date : 17-Jul-12

Purchaser : ALLIED FITTING CORP

Order No.	Invoice No.	Starting Material	Specification for Fittings				Specification for Inspection								
32812GPS-2	E 8631	Seamless Pipe	ASTM A234 - 10 WPB / ASME SA234 - 10 WPB NACE MR0175-03				ASME B16.9 - 07								
Heat No.	Product & Size		Quantity (pcs)	Visual Examination	Dimensional Inspection	Heat Treatment	Magnetic Particle Testing								
NB 908	24" 90 DEG LR XS ELBOW		8	GOOD	GOOD	H	N.A								
JL 102	14" 45 DEG LR S40 ELBOW		12	GOOD	GOOD	H	N.A								
N 312	10" x 8" STD RED TEE		36	GOOD	GOOD	C & S	GOOD								
MK 417	16" STD TEE		16	GOOD	GOOD	C & 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heat No.	30	-	106	50	58	40	40	15	40	80	50	-	655	-	197
NB 908	20	25	43	17	9	14	11	3	20	2	33	317	504	37.2	122
JL 102	16	24	58	14	12	4	3	1	8	3	28	385	443	37.6	189
N 312	19	26	46	14	10	4	2	1	4	10	30	285	465	42.0	132
MK 417	15	28	61	14	5	4	10	1	8	0	28	360	477	38.7	115

WE CERTIFY THAT ALL PRODUCTS WERE MANUFACTURED, SAMPLED, TESTED, AND INSPECTED SOLELY BY THE MANUFACTURER LISTED IN THIS DOCUMENT IN ACCORDANCE WITH INDICATED SPECIFICATION AND FOUND TO MEET REQUIREMENTS. MATERIAL IS FREE FROM MERCURY AND RADIOACTIVE CONTAMINATION.

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

NOTE:

C: Cold formed at temperature below 620°C

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

H: Hot formed in temperature between 845°C - 945°C and cooled in still air.

N: Normalised at 910°C

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

T: Temper between 590°C - 690°C.

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

[Signature]
Quality Assurance Manager



ALLIED FITTING
TRUE COPY OF
ORIGINAL INTR
SIGN JT