



# QUALITY CERTIFICATE

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

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Quality Management System is certified under ISO 9001. Approval. No.: 0047996  
PED 2014/68/EU Annex 1 Clause 4.3  
Cert. No.: 0343/PED/MUM/0810070/1

## WROUGHT CARBON STEEL BUTTWELDING FITTINGS

INSPECTION DOCUMENT: EN10204:2004 Type 3.1

Purchaser: LAVISA S. DE R.L DE C.V.

Certificate No: PSI 138227, Page 3 of 5

Date: 2-Feb-2023

Order No.	Invoice No.	Total Net Wt. (kg)	Starting Material	Specification for Fittings- Seamless							Specification for Inspection							
21859-2	P2286	17504.35	Seamless Pipe	ASTM A234 -19 WPB / ASME SA234 -21 WPB NACE MR0103-15/ NACE MR0175/ISO15156-15*							ASME B16.9 - 18 / ASTM A960 - 20							
Batch No.	Heat No. Pipe	Product & Size			Quantity (pcs)		Unit Weight (kg)		Visual Examination		Dimensional Inspection		Heat Treatment		Magnetic Particle Testing			
A3332E	WnD22203854XX	8" x 6" STD ECC RED			80		5.73		GOOD		GOOD		C & S		N.A			
A2717E	69525H	10" x 8" STD ECC RED			50		9.60		GOOD		GOOD		C & S		N.A			
A1914E	67114H	16" x 12" STD ECC RED			16		29.62		GOOD		GOOD		C & S		N.A			
A2907E	518834	16" x 14" STD ECC RED			9		31.02		GOOD		GOOD		C & S		N.A			
<div>Specification</div> <div>Min</div> <div>Max</div> <div>Batch No.</div>		Chemical Composition (%)											Tensile Test <sup>11</sup>			Hardness		
		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	Pb	CE	YS	TS	E <sup>12</sup>	(HB)	
		x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x1000		x100	(KSI / MPa)		(%)	1	2
		-	10	29	-	-	-	-	-	-	-	-	-	240	415	-	-	
		30	-	106	50	58	40	40	15	40	80	-	50	-	-	-	197	
A3332E		13	22	123	18	7	0	2	0	1	7	< 0.10	35	315	447	39.6	126	131
A2717E		19	24	54	12	7	2	4	2	3	3	< 0.10	30	328	474	36.6	131	132
A1914E		21	24	54	23	12	2	8	0	1	0	< 0.10	32	274	457	35.2	126	129
A2907E		19	22	57	13	6	2	7	2	3	3	< 0.10	31	305	449	38.6	132	135

WE CERTIFY THAT ALL PRODUCTS WERE MANUFACTURED, SAMPLED, TESTED, AND INSPECTED SOLELY BY THE MANUFACTURER LISTED AT THE ADDRESS ABOVE 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)

\* FULLY KILLED

\* HARDNESS ACCORDING TO NACE MR0103/ NACE MR0175/ISO15156

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 620°C - 980°C and cooled in still air.

MT: Magnetic Particle Testing

N: Normalised at 910°C

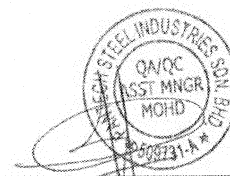
Q: Heated to 910°C and quench in water.

T: Temper between 590°C - 690°C.

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

\*2: For thickness above 7.94 mm, the minimum elongation value, E is 30. Else, E = 48t + 15, where t = specimen thickness, in

Manufactured in Malaysia



Quality Assurance Manager