



INSPECTION 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

Certificate No : PSI 137775-02

Date : 03-Oct-2022

Purchaser :

Order No.	Invoice No.	Starting Material	Specification for Fittings- Seamless										Specification for Inspection					
71294	E000017142	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)		Visual Examination		Dimensional Inspection		Heat Treatment		Magnetic Particle Testing					
YF119	85621	4" 90 DEG LR STD ELBOW			200		GOOD		GOOD		H		N.A					
Specification		Chemical Composition (%)											Tensile Test ¹			Hardness		
		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	Pb	CE	YS	TS	E ²	(HB)	
Min		x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x1000	-	x100	(KSI / MPa)	(%)	1	2	
Max		-	10	29	-	-	-	-	-	-	-	-	-	240	415	-	-	
Batch No.		30	-	106	50	58	40	40	15	40	80	-	50	-	-	-	197	
YF119		19	20	40	15	6	2	5	1	2	1	< 0.10	27	308	461	35.5	122	128

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