

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 136387-01

Date : 08-Sep-2021

Purchaser :

Order No.	Invoice No.	Starting Material	Specification for Fittings- Seamless										Specification for Inspection				
71038-1	E000016183	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.	Product & Size		Quantity (pcs)	Visual Examination	Dimensional Inspection	Heat Treatment	Magnetic Particle Testing										
XC501	1" 90 DEG LR STD ELBOW		20	GOOD	GOOD	H	N.A										
YA501	1" 90 DEG LR XS ELBOW		10	GOOD	GOOD	H	N.A										
YA503	1 1/2" 90 DEG LR STD ELBOW		350	GOOD	GOOD	H	N.A										
YB906	2" 90 DEG LR STD ELBOW		50	GOOD	GOOD	H	N.A										
YB505	2 1/2" 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 (KSI / MPa)	TS (KSI / MPa)	E ² (%)	(HB)	
Min	x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x1000		x100				1	2
Max	-	10	29	-	-	-	-	-	-	-	-	-	240	415	-	-	-
Batch No.	30	-	106	50	58	40	15	40	80	50	-	-	240	415	-	197	
XC501	26	19	43	11	4	1	3	1	1	< 0.10	34	311	464	35.0	133	135	
YA501	18	17	42	9	5	4	5	2	3	0	< 0.10	27	339	457	30.8	131	129
YA503	19	17	39	9	4	4	5	2	3	0	< 0.10	27	348	476	37.6	133	132
YB906	12	15	73	15	2	3	8	3	3	0	< 0.10	27	353	485	32.4	130	132
YB505	13	17	79	10	3	2	7	2	3	3	< 0.10	28	361	456	35.2	128	134

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.

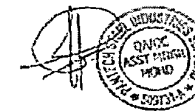
H: Hot formed in temperature between 620°C - 980°C and cooled in still air.

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

Made in Malaysia

Quality Assurance Manager