



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 I 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 137276-02

Date : 18-May-2022

Purchaser :

Order No.	Invoice No.	Starting Material	Specification for Fittings- Seamless										Specification for Inspection				
71132-1	E000016780	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									
YF105	2" 90 DEG LR STD ELBOW		5855		GOOD	GOOD	H	N.A									
YE501	2" 90 DEG LR STD ELBOW		1645		GOOD	GOOD	H	N.A									
YE729	12" 90 DEG LR STD ELBOW		9		GOOD	GOOD	H	N.A									
YE711	6" 45 DEG LR STD ELBOW		300		GOOD	GOOD	H	N.A									
YD406MT	4" x 2" STD RED TEE		90		GOOD	GOOD	C & S	GOOD									
Specification	Chemical Composition (%)												Tensile Test ^{*1}			Hardness	
	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	Pb	CE	YS	TS	E ²	(HB)	
	x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x1000		x100	(KSI / MPa)	(%)	1	2	
Min	-	10	29	-	-	-	-	-	-	-	-	-	240	415	-	-	
Max	-	10	29	-	-	-	-	-	-	-	-	-	240	415	-	-	
Batch No.	30	-	106	50	58	40	40	15	40	80	-	50	-	-	-	197	
YF105	20	21	42	15	7	2	1	2	1	0	< 0.10	28	298	455	36.5	123	128
YE501	11	18	78	15	6	2	8	3	2	4	< 0.10	27	336	456	36.0	132	136
YE729	11	21	124	8	5	3	1	2	2	1	< 0.10	33	305	449	47.5	135	134
YE711	12	27	127	12	5	0	8	0	1	7	< 0.10	35	330	442	37.4	134	138
YD406MT	20	16	40	13	5	0	7	0	3	4	< 0.10	28	328	453	37.4	133	136

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

N: Normalised at 910°C

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

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

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

T: Temper between 590°C - 690°C.

MT: Magnetic Particle Testing

*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