

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 137281-03

Date : 20-May-2022

Purchaser :

Order No.	Invoice No.	Starting Material	Specification for Fittings- Seamless										Specification for Inspection				
71456	E000016785	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									
YC605	4" 45 DEG LR XS ELBOW		350		GOOD	GOOD	H	N.A									
MB404C	4" x 1 1/2" XS CON RED		10		GOOD	GOOD	C & S	N.A									
RH203C	6" x 2 1/2" XS CON RED		10		GOOD	GOOD	C & S	N.A									
RH909C	8" x 3" XS CON RED		10		GOOD	GOOD	C & S	N.A									
KC607C	1 1/2" x 1 1/4" XXS CON RED		10		GOOD	GOOD	C & S	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	
YC605	13	16	77	16	13	2	6	2	3	2	< 0.10	28	334	434	38.2	131	135
MB404C	16	32	47	17	13	1	2	0.4	1	0	< 0.10	24	424	523	30.4	125	130
RH203C	19	26	44	19	6	0	2	1	1	0	< 0.10	27	348	473	35.2	130	131
RH909C	18	21	73	20	10	0	2	0	1	3	< 0.10	31	317	452	32.8	132	133
KC607C	12	24	113	14	0	2	3	1	2	2	< 0.10	32	331	470	31.2	126	127

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.

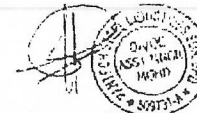
H: Hot formed in temperature between 620°C - 980°C and cooled in still air.

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.



Quality Assurance Manager

*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