



INSPECTION CERTIFICATE

PANTECH STEEL INDUSTRIES SDN. BHD. (509271-A)

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Quality Management Systems Certified
under ISO 9001 Approval No: 0407296
PCO 2017/6570 Avenue 1, Cheras, KL
Circ No: 02437ED/MLM/PCO10070/1

WROUGHT CARBON STEEL BUTTWELDING FITTINGS

INSPECTION DOCUMENT: EN:0204:2004 Type 3.1

Certificate No: PSI 137316-02
Date: 31-May-2022

Purchaser:

Order No.	Invoice No.	Starting Material	Specification for Fittings - Seamless	Specification for Inspection											
71233	E000016811	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									
YF404C	8" x 8" STD CON RED	10	GOOD	GOOD	C & S	N/A									
YG105C	12" x 8" STD CON RED	100	GOOD	GOOD	C & S	N/A									
YF804C	14" x 12" STD CON RED	100	GOOD	GOOD	C & S	N/A									
XB405C	24" x 18" STD CON RED	5	GOOD	GOOD	C & S	N/A									
YC920E	6" x 5" STD ECC RED	60	GOOD	GOOD	C & S	N/A									
Specification	Chemical Composition (%)														
	C	SI	Mn	P	S	NI	Cr	Mo	Cu	V	Pb	CE	YS (KSI / MPa)	TS (%)	E ² (%)
Min	x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x1000		x100	240	415	1
Max		10	29									50			2
Batch No.	30		106	50	58	40	40	15	40	80		28	303	447	36.8
YF404C	18	19	40	13	7	5	8	2	11	4	<0.10	27	315	456	37
YG105C	18	16	41	13	5	0	7	0	3	4	<0.10	31	292	448	45.8
YF804C	17	28	57	17	13	4	6	1	14	2	<0.10	25	392	515	30.6
XB405C	14	29	57	20	11	5	4	3	2	2	<0.10	33	342	456	37.8
YC920E	11	25	123	10	5	2	5	0	1	4	<0.10	33	342	456	37.8

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

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 = 481 + 15, where l = specimen thickness, in Made in Malaysia

Quality Assurance Manager

