



INSPECTION CERTIFICATE

PANTECH STEEL INDUSTRIES SDN. BHD. (508731-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.: 0038/PED/MUM/0810070/1

WROUGHT CARBON STEEL BUTTWELDING FITTINGS

INSPECTION DOCUMENT: EN10204:2004 Type 3.1

Certificate No : PSI 135540-01

Date : 23-Dec-2020

Purchaser : ALLIED FITTING CORP

| Order No. | Invoice No. | Starting Material | Specification for Fittings- Seamless | | | | | | | | | | Specification for Inspection | | | | |
|---------------|--------------------------|------------------------|---|-------|-------|------|------|------|------|----------------|---------------------------------|----------------|------------------------------|-----|--------------------|----------|-----|
| P019735 | E000015639 | Seamless Pipe | ASTM A234-19 WPB/ASME SA234-19 WPB/ CSA Z245.11-05 Cat. I Gr. 241/ NACE MR 0175/NACE MR 0103/ISO15156-15* | | | | | | | | | | ASME B16.9-18/ASTM A960-20 | | | | |
| Batch No. | Part Code | Product & Size | | | | | | | | Quantity (pcs) | Dimensional & Visual Inspection | Heat Treatment | Magnetic Particle Testing | | | | |
| XF102 | F9LS2 | 2" 90 DEG LR STD ELBOW | | | | | | | | 1965 | GOOD | H | N.A | | | | |
| Specification | Chemical Composition (%) | | | | | | | | | | | | Tensile Test ** | | | Hardness | |
| | C | Si | Mn | P | S | Ni | Cr | Mo | Cu | V | Pb | CE | YS (KSI / MPa) | TS | E ² (%) | (HB) | |
| Min | x100 | x100 | x100 | x1000 | x1000 | x100 | x100 | x100 | x100 | x1000 | | x100 | | | | 1 | 2 |
| Max | - | 10 | 29 | - | - | - | - | - | - | - | - | - | 240 | 415 | - | - | |
| Batch No. | 22 | - | 106 | 50 | 58 | 40 | 40 | 15 | 40 | 80 | - | 42 | - | - | - | 197 | |
| XF102 | 11 | 17 | 79 | 15 | 10 | 0 | 5 | 2 | 1 | 4 | <0.10 | 26 | 302 | 423 | 33.2 | 130 | 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/ISO15156-15

14709897

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.

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



Quality Assurance Manager

Made in Malaysia