



INSPECTION CERTIFICATE

PANTECH STEEL INDUSTRIES SDN. BHD. (009731-A)

LOT 13258 & 13259, Jalan Haji Abd. Manan,

Off Jalan Meru, 42200 Klang, Selangor, Malaysia.

Tel: 603-3393 1633 Fax: 603-3393 1733 E-mail: pantech2@streamyx.com



Cert. No.: KLR 0402926

PD 97/23/EC Annex 1 Clause 4.3

Cert. No.: 0058/PES/MUM/0610070/1

WROUGHT CARBON STEEL BUTTWELDING FITTINGS

INSPECTION DOCUMENT: EN10204:2004 Type 3.1

Certificate No : PSI 66677

Date : 30-Jun-10

Purchaser : ALLIED FITTING CORP

Order No.	Invoice No.	Specification for Pipe	Specification for Fittings: Made from Seamless Pipe		Specification for Inspection										
52010GPS-1	E 6631	ASTM A106 - 08 / API 5L - 07 PSL1 Gr. B & NACE MR0175 - 03	ASTM A234 - 07 / ASME SA 234 - 07 WPB		ASME B16.9 - 07										
Heat No.	Product & Size		Quantity (pcs)	Pipe Mill	Pipe Heat No.										
HF 703	3" 90 DEG LR XXS ELBOW		15	YANTAI STEEL PIPE PLANT	00730520										
GH 303	6" 90 DEG LR S120 ELBOW		67	BOASHAN IRON & STEEL	316725										
HA 209	6" 90 DEG LR S120 ELBOW		33	YANTAI STEEL PIPE PLANT	023159										
Visual Examination		Dimensional Inspection		Heat Treatment	Magnetic Particle Testing										
GOOD		GOOD		H	N.A										
GOOD		GOOD		H	N.A										
GOOD		GOOD		H	N.A										
Specification	Chemical Composition (%)											Tensile Test ¹			Hardness (HB)
	C x100	Si x100	Mn x100	P x1000	S x1000	NI x100	Cr x100	Mo x100	Cu x100	V x1000	CE x100	YS (KSI / MPa)	TS (%)	E (%)	
Min	-	10	29	-	-	-	-	-	-	-	-	240	415	22	-
Max	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Heat No.	30	-	106	50	58	40	40	15	40	80	50	-	655	-	197
HF 703	19	27	60	18	13	3	8	0	12	3	32	317	472	41.9	128
GH 303	14	18	80	10	4	3	2	0.9	8	0.9	29	288	447	46.5	168
HA 209	11	16	74	14	6	3	2	0	8	2	25	369	464	39.4	101

WE HEREBY CERTIFY THAT THE PRODUCT DESCRIBED HEREIN HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE ABOVE SPECIFICATION

AND PURCHASE ORDER, AND SATISFIED THE REQUIREMENTS.

TENSILE REQUIREMENT: CONFORMS TO ASTM A370 STANDARD, LONGITUDINAL DIRECTION, GAUGE LENGTH 2" (50mm)

NOTE:

N: Normalized at 910°C

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

T: Temper between 580°C - 690°C.

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

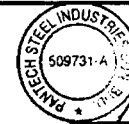
H: Hot formed in temperature between 620°C - 980°C and cooled in still air.

YS: Yield Strength

TS: Tensile Strength

E: Elongation

ALLIED FITTING
TRUE COPY OF
ORIGINAL MTR
SIGN



Quality Assurance Manager