



INSPECTION CERTIFICATE

AWAJI MATERIA (THAILAND) CO.,LTD.

81,MOO4, PRAKASA ROAD, TAMBOL BANGMUANG, AMPHUR MUANG
SAMUTPRAKARN THAILAND 10270, Tel : (662)701-5226

Date : AUGUST 5, 2008

Purchaser : ALLIED FITTING CANADA

MADE FROM SEAMLESS STEEL PIPE

Certificate No. : T08-7800

Order No.	Job No.	Product										Raw Materail Pipe Maker								
040208AAW/3		CARBON STEEL BUTT WELDING FITTINGS										SUMITOMO METAL INDUSTRIES, LTD.								
Inspection Standard		Material Standard					Appearance	GOOD	Dimension	GOOD	M.T. GOOD									
ASME B16.9-07 ASTM A960-08 NACE MR-0175-03, MR 0103-05		ASTM A234-07 WPB ASME SA234 WPB except nuclear usage CSA Z245.11-02 GR.241 CAT.I																		
Manufacturing No.	Product code	Material	Article & Size					Quantity	Note.											
87520X		WPB	XXS	TEE	3"		100 Pcs.	"ALL FITTING MANUFACTURED BY AWAJI MATERIA (THAILAND) CO.,LTD. ARE PRODUCED FROM A106 GR.B SEAMLESS PIPE"												
Specification	Chemical Composition (%)															*1 Mechanical Test			Hardness	
	C	Si	*2Mn	P	S	Cu	Ni	Cr	Mo	V	Nb	Ti	B	Ca	Al	C.E.	Y.S.	T.S.		E
	Min.	X100	X100	X100	X1000	X1000	X100	X100	X100	X100	X100	X100	X100	X10000	X10000	X1000	X100	MPa		%
Max.	-	10	29	-	-	-	-	-	-	-	-	-	-	-	-	-	240	415	30	-
Pipe Charge No.	30	-	106	50	58	40	40	40	15	8	2	2	5	65	-	-	-	655	-	197
J8L2446	11	27	127	6	4	2	2	11	0	0	0	-	-	-	32	35	318	471	51.8	121

$$C.E. = C + \frac{Mn}{6} + \frac{Cr+Mo+V}{5} + \frac{Ni+Cu}{15}$$

Inspection Certificate : ACCORDING TO EN 10204. 3.1 : 2004

ISO 9001: 2000 Manufacturing Company
Certified by BV, Certificate No. TH07000055

*1 Y.S.= Yield Strength, T.S. = Tensile Strength, E = Elongation.

*2 For each reduction of 0.01% below the specified carbon(C) Maximum, an increase of 0.06% manganese(Mn) above specified maximum will be permitted, up to a maximum of 1.35% as per foot note D of ASTM A234/A234M-07 Table 1.

ELBOW / Forming temperature 780°C -- 930°C and cooled in still air

TEE, REDUCER & CAP / Normalizing : 900°C

"We hereby certify that the material described herein has been duly inspected and conforms to the standard as specified above.

Surveyor to

Chief of Inspection Section S.MAEKAWA

**ALLIED FITTING
TRUE COPY OF
ORIGINAL MTR
SIGN**

AT-24(2)10