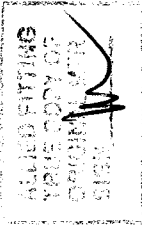




# INSPECTION CERTIFICATE

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



Date : JANUARY 5, 2009

Certificate No. : T08-Z1515/1

Purchaser : ALLIED FITTING CORP., HOUSTON U.S.A.

MADE FROM SEAMLESS STEEL PIPE

Order No.		Job No.		Product										Raw Material Pipe Maker							
100308AW/6				CARBON STEEL BUTT WELDING FITTINGS										SUMITOMO METAL INDUSTRIES, LTD.							
Inspection Standard		Material Standard		Appearance		GOOD		Dimension		GOOD		U.T. W.T. INSPECTED									
ASME B16.9-07 ASME A960-08 NACE MR-0175-03		ASTM A234-07 WPB ASME SA234 WPB except nuclear usage																			
Manufacturing No.		Product code		Material		Article & Size						Quantity		Note.							
89375				WPB		S40 90 LONG RADIUS ELBOW 20"						3 Pcs.		"ALL FITTING MANUFACTURED BY AWAJI MATERIA (THAILAND) CO.,LTD. ARE PRODUCED FROM A106 GRB 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	HB
		x100	x100	x100	x1000	x1000	x100	x100	x100	x100	x100	x100	x100	x100	x10000	x10000	x1000	x100	MPa		%
Min.		-	10	29	-	-	-	-	-	-	-	-	-	-	-	-	-	240	415	30	-
Max.		-	10	29	-	-	-	-	-	-	-	-	-	-	-	-	-	240	415	30	-
Pipe Charge No.		30	-	106	50	58	40	40	40	15	8	2	2	5	65	-	-	-	655	-	197
J8L6861		22	21	68	14	5	2	2	5	1	0	0	-	-	-	20	35	327	483	50.9	137

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

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 1.95% 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."

PLEASE ANAHUAC Y CIAS. S.A. DE C.V.  
**CONTROL DE CALIDAD**  
 FECHA 15 <sup>Supervisor</sup> Feb 2010  
F412  
 FIRMA Juanque Ruiz

Chief of Inspection Section S.MAEKAWA