

CERTIFICATE OF INSPECTION & TEST

(EN 10204 3.1)



ORIGINAL



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CARBON STEEL FITTINGS MADE FROM SEAMLESS PIPE

Date: **AUG.14.2015**

Customer : PLESA ANAHUAC Y CIAS.,S.A.DE C.V.			Contract No : 21139 (AMOUNT : USD53,381.13)										Certificate No : MJW9032							
Spec. for Material			Spec. for Inspection										Surface & Dimension			N.D.E		Heat Treatment		
ASTM A234-14/ASME SA234-13 WPB NACE MR0175 / ISO 15156-2009			ASME B16.9 - 2012										GOOD			N/A		HOT FORMED (620°C ~ 980 °C)		
ITEM	STAMP NO.	CHEMICAL COMPOSITION (%)											Tensile Test				Hardness Test(HB)	Hydrostatic Test	C.E	
		C	Si	Mn	P	S	Cr	Mo	Ni	Cu	V	Nb	Y-P MPA	T-S MPA	EL (%)	RA (%)				
SIZE	Q'TY	MIN		0.10	0.29									240	415	30				
		MAX	0.30		1.06	0.05	0.058	0.40	0.15	0.40	0.40	0.08							197	
LR 45D ELBOW SCH40			0.197	0.235	0.492	0.013	0.011	0.014	0.026	0.015	0.009	0.003	285	470	35		<197		0.29	
16"	5	WBABP																		
LR 45D ELBOW SCH40			0.21	0.26	0.46	0.019	0.015	0.05	0.04	0.02	0.02	0.009	260	465	31		<197		0.31	
20"	3	WAABV																		
LR 45D ELBOW SCH80			0.18	0.176	0.432	0.007	0.007	0.031	0.016	0.008	0.011	0.002	265	470	31		<197		0.26	
2"	100	GBABQ																		
LR 45D ELBOW SCH80			0.21	0.19	0.42	0.011	0.01	0.062	0.021	0.051	0.032	0.002	280	490	36		<197		0.30	
4"	50	GBAAU																		
LR 45D ELBOW SCH80			0.189	0.231	0.46	0.008	0.004	0.041	0.011	0.002	0.024	0.003	270	475	37		<197		0.28	
16"	10	WBACT																		

We hereby certify that the material herein has been made and tested in accordance with the above specification and also with the requirements called for by the above order.

EXPORT COUNTRY - BUSAN, KOREA
 COUNTRY OF ORIGIN - KOREA
 TOTAL WEIGHT : 31,995 KGS

Reviewed by
 Witnessed by

C.E. = C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15