

# CERTIFICATE OF INSPECTION & TEST

(EN 10204 3.1)



**ORIGINAL**



**ST&H CORPORATION**  
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CARBON STEEL FITTINGS MADE FROM SEAMLESS PIPE

Date: **AUG.14.2015**

Customer : <b>PLESA ANAHUAC Y CIAS.,S.A.DE C.V.</b>			Contract No : <b>21139</b> (AMOUNT : USD53,381.13)										Certificate No : <b>MJW9032</b>							
Spec. for Material			Spec. for Inspection										Surface & Dimension			N.D.E		Heat Treatment		
<b>ASTM A234-14/ASME SA234-13 WPB NACE MR0175 / ISO 15156-2009</b>			<b>ASME B16.9 - 2012</b>										<b>GOOD</b>			N/A		NORMALIZED (900 °C X 0.5HR)		
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		
ECC RED STD			0.198	0.315	0.476	0.012	0.01	0.025	0.02	0.052	0.046	0.005		280	475	36		<197		0.29
4" X 2"	20	WAAGQ																		
ECC RED STD			0.198	0.315	0.476	0.012	0.01	0.025	0.02	0.052	0.046	0.005		280	475	36		<197		0.29
4" X 3"	20	WAAGQ																		
ECC RED STD			0.253	0.325	0.452	0.011	0.008	0.013	0.015	0.028	0.007	0.003		270	475	36		<197		0.34
6" X 3"	50	WAAFD																		
ECC RED STD			0.253	0.325	0.452	0.011	0.008	0.013	0.015	0.028	0.007	0.003		270	475	36		<197		0.34
6" X 4"	50	WAAFD																		
ECC RED STD			0.21	0.24	0.55	0.011	0.004	0.008	0.003	0.04	0.02	0.02		300	480	36		<197		0.31
8" X 4"	50	WAACB																		

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

