

CERTIFICATE OF INSPECTION & TEST

(EN 10204 3.1)



ORIGINAL

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

Date: **FEB.24.2014**

Customer : PLESA ANAHUAC Y CIAS.,S.A.DE C.V.			Contract No :17200 (AMOUNT:USD35,424.28)										Certificate No MNJ8459							
Spec. for Material			Spec. for Inspection										Surface & Dimension		N.D.E		Heat Treatment			
ASTM/ASME A/SA234-11 WPB (NACE MR0175)			ASME B16.9 - 07										GOOD		N/A		HOT FORMED (620℃ ~ 980℃)			
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				655			197	
LR 45D ELBOW SCH80			0.17	0.32	1.05	0.011	0.002	0.06	0.01	0.05	0.06	0.06		350	552	30		<197		0.38
16"	10	2464	BLANK																	

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.

1MPa = 145.037 psi
 1MPa = 0.145037 ksi
 1psi = 0.00689 MPa
 1ksi = 6.89476 MPa

Reviewed by
 Witnessed by



EXPORT COUNTRY - BUSAN, KOREA
 COUNTRY OF ORIGIN - KOREA
 TOTAL WEIGHT : 14,772.00KGS

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

 Manager of Q.A Dept.