

CERTIFICATE OF INSPECTION & TEST

(EN 10204 3.1)



ORIGINAL

ST ST&H CORPORATION
 74, Jwadongsunhwan-ro, Haeundae-gu, Busan, Korea
 Tel:82.51.744-4680(5 line) Fax:82.51.744-4670
 E-mail : stnh@stnhcorp.com

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		MT : GOOD		NORMALIZED (900℃ 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	QTY	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		
RED TEE STD			0.21	0.23	0.57	0.023	0.012	0.11	0.01	0.06	0.02	0.01		265	450	37.5		<197		0.34
18" X 12"	4	1835																		
RED TEE STD			0.21	0.23	0.57	0.023	0.012	0.11	0.01	0.06	0.02	0.01		265	450	37.5		<197		0.34
18" X 14"	4	1835																		
RED TEE STD			0.22	0.25	0.56	0.01	0.003	0.04	0.01	0.03	0.02	0.01		320	495	32.5		<197		0.33
16" X 14"	4	4910																		
RED TEE STD			0.21	0.25	0.56	0.014	0.01	0.04	0.01	0.02	0.01	0.01		305	470	36		<197		0.32
20" X 14"	4	8151																		
RED TEE STD			0.2	0.26	0.56	0.011	0.009	0.01	0.01	0.01	0.01	0.01		300	490	31		<197		0.30
14" X 10"	10	3224																		

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.