

CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)

ST ST&H CORPORATION
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Certificate No. MJW9145B-06/06 Date : MAR. 08. 2016
 Customer PLESA ANAHUAC Y CIAS., S.A. DE C.V
 Contract No. 22014
 Spec. For Material ASTM/ASME A/SA234-14 WPB,NACE MR0175-2009/ ISO15156-1:2015
 Heat Treatment NORMALIZED (900°C X 0.5HR)

Certified to ISO9001:2008, ISO14001:2004,PED97/23/EC by LRQA

Dimensional inspection ASME B16.9 - 2012

ITEM / SIZE	Q'ty	Heat No./ Batch No.	Size of Test Specimen		Tension Test				Hardness Test (HB)	Charpy Impact Test (10X10mm Specimen Size)			
			D	GL	Y.S MPa	T.S MPa	E.L %	R.A %		Indiv.	Ave.	Notch	Temp.
			mm	mm					Max				
GCMRSD12X8 GECRSD16X10 BLANK	15 10	WAAEU WAAGA BLANK	12.5 12.5	50.0 50.0	240 265	415 475	30.0 35		122 120	134 141	BLANK		

Heat No./ Batch No.	Max Min	Chemical Composition (%)											NDE						
		C	SI	Mn	P	S	Cr	Mo	Ni	Cu	V				CE	UT	MT	PT	
		0.300	0.100	1.060	0.050	0.058	0.400	0.150	0.400	0.400	0.080								
WAAEU		0.200	0.290	0.420	0.011	0.007	0.008	0.006	0.009	0.005	0.003								GOOD
WAAGA		0.180	0.324	0.502	0.007	0.009	0.012	0.018	0.035	0.028	0.006								GOOD
											BLANK								

REMARK * CARBON STEEL FITTINGS MADE FROM PIPE
 * EXPORT COUNTRY - BUSAN, KOREA
 * COUNTRY OF ORIGIN - KOREA
 * TOTAL WEIGHT : 18,360 KGS

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.

[Signature]
 Witnessed by / H. J. LEE



Manager of Q.A Dept. / J. W. PARK