

CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)

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



Certificate No. MJW9145A-09/09 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 %	197	Indiv.	Ave.	Notch	Temp.	
			mm	mm										
GCAPSTD2 CAP STD 2"	50	WBADH	12.5	50.0	240	415	30.0		115	126	Test Result (J)			Ave.(J)
GCAPSTD3 CAP STD 3"	50	WAAAL	12.5	50.0	290	440	33		117	139				
GCAPXS8 CAP XH 8"	20	WBAAC	12.5	50.0	290	485	35		110	129				
GCAPXS12 CAP XH 12"	10	WBAAC	12.5	50.0	290	485	35		110	129				
BLANK		BLANK				BLANK			BLANK					

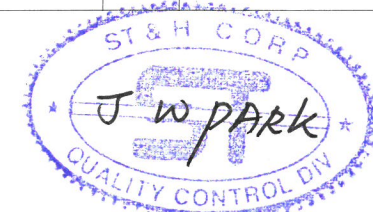
Heat No./ Batch No.	Max Min	Chemical Composition (%)										NDE						
		C	SI	Mn	P	S	Cr	Mo	Ni	Cu	V	CE	UT	MT	PT			
		0.300	0.100	1.060 0.290	0.050	0.058	0.400	0.150	0.400	0.400	0.080				0.430			
WBADH		0.210	0.240	0.460	0.008	0.008	0.034	0.011	0.024	0.024	0.003				0.299			
WAAAL		0.140	0.180	0.470	0.019	0.022	0.120	0.011	0.008	0.019	0.008				0.247			
WBAAC		0.190	0.203	0.450	0.008	0.009	0.034	0.013	0.009	0.015	0.003				0.276			
										BLANK								

REMARK * CARBON STEEL FITTINGS MADE FROM PIPE
 * EXPORT COUNTRY - BUSAN, KOREA
 * COUNTRY OF ORIGIN - KOREA
 * TOTAL WEIGHT : 19,499 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.

H. J. LEE

Witnessed by / H. J. LEE



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