

# CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)



**ST&H CORPORATION**

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Certificate No. MJW9145A-08/09 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

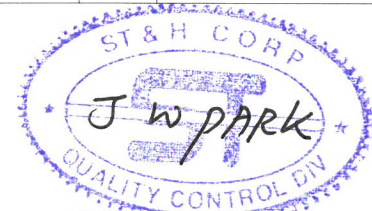
ITEM / SIZE	Q'ty	Heat No./ Batch No.	Size of Test Specimen		Tension Test				Hardness Test (HB)		Charpy Impact Test (10X10mm Specimen Size)			
			D	GL	Y.S MPa	T.S MPa	E.L %	R.A %	197	Indiv.	Ave.	Notch	Temp.	
			mm	mm										
GECRSD6X3 ECC RED STD 6" X 3"	30	WAAFD	12.5	50.0	240	415	30.0		122	136	Test Result (J)		Ave.(J)	
GECRSD6X4 ECC RED STD 6" X 4"	30	WAAFD	12.5	50.0	270	475	36		122	136	Test Result (J)		Ave.(J)	
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			
WAAFD		0.253	0.325	0.452	0.011	0.008	0.013	0.015	0.028	0.007	0.003	BLANK				0.336	GOOD		

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.

Witnessed by / H. J. LEE



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