

CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)

ST&H CORPORATION
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Certificate No. MJW9145B-05/06 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 HOT FORMED (620°C ~ 980°C)

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 mm	GL mm	Max	Y.S MPa	T.S MPa	E.L %		R.A %	197	Indiv.	Ave.	Notch
			12.5	50.0					Min					
GEQTS8024 TEE SCH80 24" BLANK	2	WAABD BLANK	12.5	50.0		268	485	30		118 138	BLANK			

Heat No./ Batch No.	Max Min	Chemical Composition (%)											NDE								
		C	SI	Mn	P	S	Cr	Mo	Ni	Cu	V				CE	UT	MT	PT			
WAABD		0.300	0.100	1.060	0.050	0.058	0.400	0.150	0.400	0.400	0.080							0.430			
		0.190	0.260	0.510	0.019	0.018	0.080	0.040	0.020	0.009	0.009							0.302	GOOD		

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