

# CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)

**ST&H CORPORATION**  
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Certificate No. MJW8847 Date : MAR. 12. 2015  
 Customer PLESA ANAHUAC Y CIAS., S.A. DE C.V.  
 Contract No. 20100  
 Spec. For Material ASTM/ASME A/SA105N-11a. NACE MR0175/ISO 15156-2009  
 Heat Treatment 910°C NORMALIZED & A.C

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

Dimensional inspection ASME B16.5 - 2013

ITEM / SIZE	Q'ty	Heat No./ Batch No.	Size of Test Specimen		Tension Test				Hardness Test		Charpy Impact Test (10X10mm Specimen Size)			
			D	GL	Y.S	T.S	E.L	R.A	Test (HB)	187	Indiv.	Ave.	Notch	Temp.
			mm	mm	MPa	MPa	%	%						
BA600WRSTD2	600LBS WN RF STD 2"	30	4B8466P	12.5	50.0	358	543	32	73	141	143	Test Result (J)		Ave.(J)
BA600WR802	600LBS WN RF S80 2"	30	4B8466P	12.5	50.0	358	543	32	73	141	143			
BA600BR2	600LBS BL RF 2"	20	4B8490M	12.5	50.0	342	536	31	75	143	144			
BA600WR8012	600LBS WN RF S80 12"	10	14T3268G	12.5	50.0	366	553	37	66	142	143			
BA600BR8	600LBS BL RF 8"	10	14T9722J	12.5	50.0	370	554	36	71	143	144			
BA600WR806	600LBS WN RF S80 6"	20	14T9722J	12.5	50.0	370	554	36	71	143	144			
BA600BR4	600LBS BL RF 4"	10	14T9722J	12.5	50.0	370	554	36	71	143	144			
BA600BR3	600LBS BL RF 3"	10	14T9722J	12.5	50.0	370	554	36	71	143	144			
BA600SR3	600LBS SO RF 3"	10	14T9722J	12.5	50.0	370	554	36	71	143	144			
BA600WRSTD4	600LBS WN RF STD 4"	20	14T9722J	12.5	50.0	370	554	36	71	143	144			

Heat No./ Batch No.	Max Min	Chemical Composition (%)										NDE					
		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	CE	UT	MT	PT		
		0.350	0.350	1.050	0.035	0.040	0.400	0.300	0.120	0.400	0.080						
4B8466P		0.186	0.234	0.880	0.023	0.007	0.010	0.034	0.002	0.013	0.002						0.341
4B8490M		0.184	0.226	0.900	0.018	0.007	0.010	0.026	0.002	0.014	0.002						0.341
14T3268G		0.176	0.233	0.960	0.015	0.012	0.030	0.030	0.003	0.041	0.003						0.347
14T9722J		0.182	0.256	0.930	0.017	0.008	0.010	0.030	0.002	0.011	0.005						0.345
BLANK																	

REMARK

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.

*[Handwritten Signature]*

Witnessed by / H. J. LEE



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