

CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)

ST 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. MES9300-08/09 Date : MAY. 09. 2016
 Customer PLESA ANAHUAC Y CIAS., S.A. DE C.V.
 Contract No. 23308
 Spec. For Material ASTM A105N-14, ASME SA105N-15, NACE MR0175/ISO15156-1:2015
 Heat Treatment 930°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 (HB)	Charpy Impact Test (10X10mm Specimen Size)					
			D	GL	Y.S	T.S	E.L	R.A		Indiv.	Ave.	Notch	Temp.		
			mm	mm	MPa	MPa	%	%	187					Test Result (J)	
BA300SR10	300LBS SO RF 10"	10	701256F	12.5	50.0	340	531	35	75	178	180				
BA600SR10	600LBS SO RF 10"	10	701256F	12.5	50.0	340	531	35	75	178	180				
BA300SR8	300LBS SO RF 8"	20	701256F	12.5	50.0	340	531	35	75	178	180				
BA600SR8	600LBS SO RF 8"	10	701256F	12.5	50.0	340	531	35	75	178	180				
BA300SR6	300LBS SO RF 6"	50	701256F	12.5	50.0	340	531	35	75	178	180				
BA600SR6	600LBS SO RF 6"	20	701256F	12.5	50.0	340	531	35	75	178	180				
BA600WRSTD6	600LBS WN RF STD 6"	20	701256F	12.5	50.0	340	531	35	75	178	180				
BA600BR6	600LBS BL RF 6"	20	804813E	12.5	50.0	312	511	32	67	175	180				
	BLANK		BLANK												

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								
701256F	H	0.201	0.216	1.010	0.012	0.008	0.010	0.016	0.002	0.015	0.002								0.375
	P	0.197	0.235	0.970	0.020	0.002	0.013	0.022	0.002	0.019	0.001								0.365
	H	0.210	0.240	1.040	0.022	0.010	0.009	0.018	0.002	0.021	0.002								0.389
804813E	P	0.197	0.228	1.040	0.012	0.009	0.008	0.019	0.002	0.021	0.001								0.376

REMARK * H : Heat Analysis P : Product Analysis

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. / E. S. PARK

