

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. MJW8847 Date : MAR. 12. 2015
 Customer PLESA ANAHUAC Y CIAS., S.A. DE C.V.
 Contract No. 20100
 Spec. For Material ASTM/ASME A/SA105-11a. NACE MR0175/ISO 15156-2009
 Heat Treatment AS FORGED

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 MPa	T.S MPa	E.L %	R.A %	Test (HB)	187	Indiv.	Ave.	Notch	Temp.
			mm	mm										
AA300SR10 300LBS SO RF 10"	10	15T1719	12.5	50.0	305	507	35	69	141	143				
AA300WRSTD10 300LBS WN RF STD 10"	20	15T1719	12.5	50.0	305	507	35	69	141	143				
AA300WRSTD6 300LBS WN RF STD 6"	80	03664	12.5	50.0	307	502	31	66	142	147				
AA300SR4 300LBS SO RF 4"	70	03674	12.5	50.0	328	545	35	74	142	145				
AA150WRSTD20 150LBS WN RF STD 20"	4	06201	12.5	50.0	342	555	31	55	142	143				
AA150WRSTD14 150LBS WN RF STD 14"	15	108223	12.5	50.0	289	510	37	71	140	145				
BLANK		BLANK			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					
15T1719		0.178	0.195	0.910	0.013	0.006	0.004	0.030	0.003	0.010	0.003				0.337	
03664		0.182	0.284	0.930	0.019	0.007	0.009	0.024	0.002	0.016	0.001				0.344	
03674		0.198	0.251	0.930	0.019	0.006	0.016	0.031	0.002	0.016	0.001				0.361	
06201		0.177	0.238	0.960	0.013	0.002	0.021	0.049	0.002	0.046	0.002				0.352	
108223		0.187	0.234	0.950	0.009	0.004	0.040	0.047	0.016	0.114	0.003				0.368	

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.

H. J. LEE



Witnessed by / H. J. LEE

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