

CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)



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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 (HB)	Charpy Impact Test (10X10mm Specimen Size)				
			D mm	GL mm	Y.S MPa	T.S MPa	E.L %	R.A %		Indiv.	Ave.	Notch	Temp.	
			Max	Min	250	485	22.0	30.0	187		Test Result (J)		Ave.(J)	
BA600WRSTD3 600LBS WN RF STD 3"	20	14T9722J	12.5	50.0	370	554	36	71	143	144				
BA600BR14 600LBS BL RF 14" BLANK	3	605466I BLANK	12.5	50.0	327	551	33	67	143	147				

Heat No./ Batch No.	Max Min	Chemical Composition (%)										NDE					
		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	CE	UT	MT	PT		
14T9722J		0.182	0.256	0.930	0.017	0.008	0.010	0.030	0.002	0.011	0.005						
605466I		0.183	0.223	1.050	0.020	0.007	0.011	0.028	0.002	0.016	0.004						
											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.


 Witnessed by / H. J. LEE


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