

CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)

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Certificate No. MJM9473A-02/02 Date : NOV. 29. 2016
 Customer PLESA ANAHUAC Y CIAS., S.A. DE C.V
 Contract No. 24494-1ST
 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	Max	Y.S MPa	T.S MPa	E.L %	R.A %	187	Indiv.	Ave.	Notch	Temp.		
			mm	mm											Min	250
BA150SR6	150LBS SO RF 6"	400	B6377	12.5	50.0		380	545	36	67.5	142	144				
BA150SR8	150LBS SO RF 8"	400	B6377	12.5	50.0		380	545	36	67.5	142	144				
BA600BR2	600LBS BL RF 2"	10	B9803	12.5	50.0		395	565	32.5	67	143	147				
BA150SR3	150LBS SO RF 3"	300	B9803	12.5	50.0		395	565	32.5	67	143	147				
	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 0.100	1.050 0.600	0.035	0.040	0.400	0.300	0.120	0.400	0.080										
B6377	H	0.186	0.245	0.912	0.018	0.010	0.005	0.009	0.002	0.007	0.001							0.341			
	P	0.185	0.240	0.915	0.018	0.010	0.005	0.007	0.002	0.007	0.001							0.340			
	H	0.183	0.284	0.936	0.015	0.013	0.045	0.077	0.003	0.011	0.003							0.359			
B9803	P	0.186	0.279	0.930	0.014	0.013	0.044	0.078	0.003	0.011	0.004							0.361			

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. / J. M. KIM