

CERTIFICATE OF INSPECTION & TEST (EN 10204 3.1)

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Certificate No. MJM9473A-01/02 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	Y.S MPa	T.S MPa	E.L %	R.A %	187	Indiv.	Ave.	Notch	Temp.		
			mm	mm						Test Result (J)			Ave.(J)		
BA150BR20	150LBS BL RF 20"	10	B6320	12.5	50.0	390	545	36	67	142	146				
BA150BR24	150LBS BL RF 24"	10	B6320	12.5	50.0	390	545	36	67	142	146				
BA150BR6	150LBS BL RF 6"	50	B6320	12.5	50.0	390	545	36	67	142	146				
BA300BR10	300LBS BL RF 10"	5	B6320	12.5	50.0	390	545	36	67	142	146				
BA600BR20	600LBS BL RF 20"	3	B6320	12.5	50.0	390	545	36	67	142	146				
BA150SR16	150LBS SO RF 16"	30	B6320	12.5	50.0	390	545	36	67	142	146				
BA150SR24	150LBS SO RF 24"	10	B6320	12.5	50.0	390	545	36	67	142	146				
BA150SR10	150LBS SO RF 10"	50	B6377	12.5	50.0	380	545	36	67.5	142	144				
BA150SR4	150LBS SO RF 4"	300	B6377	12.5	50.0	380	545	36	67.5	142	144				
BA150SR5	150LBS SO RF 5"	100	B6377	12.5	50.0	380	545	36	67.5	142	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 0.100	1.050 0.600	0.035	0.040	0.400	0.300	0.120	0.400	0.080														
B6320	H	0.195	0.219	0.872	0.017	0.008	0.009	0.025	0.006	0.017	0.001											0.348			
	P	0.186	0.216	0.873	0.017	0.009	0.009	0.025	0.004	0.016	0.001											0.339			
	H	0.186	0.245	0.912	0.018	0.010	0.005	0.009	0.002	0.007	0.001											0.341			
B6377	P	0.185	0.240	0.915	0.018	0.010	0.005	0.007	0.002	0.007	0.001											0.340			
BLANK																									

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