

# CERTIFICATE OF INSPECTION & TEST

ORIGINAL



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(EN 10204 3.1)

Certified to ISO9001:2008, ISO14001:2004, PED97/23/EC by LRQA

Certified API Spec Q1 and API Spec 6A (Licence No : 6A-1284)



RPS 030308 / 01

Customer : PLESA ANAHUAC Y CIAS.,S.A DE C.V.				Contract No. : 18529				Report No : MES8670				Date: JUL.24.2014			
Spec. For Material : ASTM/ASME A/SA105N-11a(NACE MR0175/ISO15156-2009)												Heat Treatment			
Chemical Composition (%)		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	910°C NORMALIZED & A.C			
Heat No./Batch no.	MAX	0.350	0.350	1.050	0.035	0.040	0.400	0.300	0.120	0.400	0.080				
	MIN		0.100	0.600											
B5906		0.230	0.220	1.000	0.009	0.008	0.018	0.025	0.041	0.007	0.005	Dimensional Inspection			
Tension Test						Charpy Impact Test (10x10 mm Specimen Size)			Hardness Test (HB)	Bending Test 90:120(180°)					
Size of Specimen(mm)		Yield Strength MPa	Tensile Strength MPa	Elongation %	Red of Area %	Individual	Average	Notch Type							
Dia	Gage Length					min	min								
12.5	50	MAX				Test Result			Temp	187					
		MIN	250.000	485.000	22.000	30.000	①	②			③	Average			
12.5	50		410.000	560.000	35.000	71.500					141, 144	ASME B16.5 - 2009  GOOD			
Ultrasonic Examination															
ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	Remarks :						
150LBS WNRF STD 20"		4	300LBS WNRF STD 10"		20	600LBS WNRF STD 3"		20	N/A						
150LBS WNRF STD 4"		500	300LBS WNRF STD 4"		20	600LBS WNRF STD 4"		20	Magnetic Particle Examination						
150LBS WNRF S80 4"		100	300LBS WNRF S80 4"		20	600LBS WNRF S80 3"		30	N/A						
150LBS WNRF STD 8"		200	300LBS WNRF S80 6"		30	600LBS WNRF S80 4"		20	**CE = 0.41 (LONG FORMULAR)						
150LBS WNRF S80 8"		50	300LBS WNRF STD 8"		20	600LBS WNRF S80 6"		20							

NOTE :  
1MPa = 145.037 psi  
1MPa = 0.145037 ksi  
1psi = 0.006895 MPa  
1ksi = 6.89476 MPa

W.C:Water Cool O.C.Oil Cool  
A.C:Air Cool N.A:Non Action  
N:Normalized A:Annealed  
Q.T:Quenched and Tempered  
N.T:Normalized and Tempered

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.

*[Handwritten Signature]*

Witnessed by / H. J. LEE      Manager, QA Dept. / E. S. PARK

