

# MILL CERTIFICATE



COPY



ST AND H CORP  
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(EN 10204 3.1)

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.

Certified by PED97/23/EC by LRQA

Report No : MYM5509  
Date: MAR.31.2010

Customer : PLESA ANAHUAC Y CIAS, SA DE CV AV.						No. & date of LC : DC MXH100500				FEB.19.2010		Heat Treatment			
Spec. For Material : ASTM A105-05/ASME SA105(NACE MR-0175)															
Chemical Composition (%)		C	Si	Mn	P	S	Ni	Cr	Mo	Cu	V	N	AS FORGED		
Heat 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											
07516			0.207	0.245	0.910	0.018	0.009	0.009	0.010	0.002	0.010	0.001			
Tension Test						Charpy Impact Test (10x10 mm Specimen Size)				Hardness Test (HB)		Bending Test 90:120(180°)		Dimensional Inspection	
Size of Specimen(mm)		Yield Strength MPa	Tensile Strength MPa	Elongation %	Red of Area %	Individual		Average							
Dia	Gage Length					min	min								
12.5	50	MAX				Test Result				187		ANSI B16.5-2003			
		MIN	250.000	485.000	22.000	30.000	①	②	③	Average	137				
12.5	50		373.270	598.930	30.700	62.045					143-146				GOOD
ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	ITEM / SIZE		Q'TY	Ultrasonic Examination			
150LBS BLRF 2"		55	150LBS BLRF 10"		20	150LBS SORF 6"		750	150LBS SORF 6"		750	N/A			
150LBS BLRF 3"		35	150LBS SORF 2"		150	150LBS SORF 8"		350	150LBS SORF 8"		350	Magnaflux Examination			
150LBS BLRF 4"		55	150LBS SORF 3"		230	150LBS SORF 10"		100	150LBS SORF 10"		100	N/A			
150LBS BLRF 6"		55	150LBS SORF 4"		750	150LBS WNRF STD 2"		150	150LBS WNRF STD 2"		150	Remarks : **CE = 0.36 (LONG FORMULAR)			
150LBS BLRF 8"		50	150LBS SORF 5"		30	150LBS WNRF STD 3"		185	150LBS WNRF STD 3"		185				
<p>NOTE :</p> <p>1MPa = 145.037 psi 1MPa = 0.145037 ksi 1psi = 6894.76 MPa 1ksi = 6.89476 MPa</p> <p>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</p> <p>* DESCRIPTION OF GOODS: CIF . 3.445 PC. ANSI B16.5 ASTM A105/SA105 FORGED STEEL FLANGE. THE 3.445 PC WHICH COVERS THE SHIPMENT IS INDIFFERENT SIZES. WITH A NET WEIGHT APPROX 47.240 KGS</p>															
Witnessed by										 Manager of O.A. Dept.					