



PETRO FLANGE, S.A. DE C.V.

Vendido a: FERRERERIA Y REP. INT., S.A. DE C.V.

Dirección:

Pedido: TEL

INSPECTION CERTIFICATE

Folio:	3020
Cert. No.	PF-WN-685-65
Date:	15/01/2009

ITEM	PCS	DESCRIPTION	SPECIFICATIONS	HEAT No.	MECHANICAL COMPOSITION				
					TENSILE Mpa	YIELD Mpa	ELONG %	R/Area %	HARDNESS HB
1	5	W.N. 1-1/2" 150# R.F. SCH-XS	ASTM A-105-05 ASME SA-105-ED2007-AD08 ASME B16.5 NACE MR-0175-03/05 BS3293	07K00211	485	255	29	34	165
2	10	S.O. 1-1/2" 150# R.F.		08K47313	487	262	30	33	181
3	150	S.O. 6" 150# R.F.		08K47306	496	277	26	35	174
4	4	S.O. 24" 150# R.F.		08K47324	487	262	22	32	162
5	8	W.N. 4" 150# R.F. SCH-40		737	505	272	32	35	167

CHEMICAL COMPOSITION

ITEM	HEAT. No.	C	Mn	P	S	Si	Cu ^a	Ni ^a	Cr ^{ab}	Mo ^{ab}	V ^a	Nb	CE
1	07K00211	0.162	0.618	0.015	0.023	0.197	0.010	0.010	0.010	0.010	0.001	-	0.27
2	08K47313	0.160	0.624	0.021	0.035	0.170	0.030	0.038	0.082	0.002	0.003	-	0.29
3	08K47306	0.170	0.650	0.021	0.035	0.180	0.150	0.038	0.082	0.011	0.016	-	0.31
4	08K47324	0.258	0.803	0.021	0.035	0.180	0.170	0.033	0.101	0.003	0.002	-	0.43

QUALITY ASSURANCE CONTROL DEPARTMENT



Ni+Cu/15

NOTE: FORGED ROLLED 1150°C - 1200°C
NORMALIZED 900°C AND ALLOWED TO COOL IN STILL AIR.