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

Vendido a: FERRETERIA Y REP. INT., S.A. DE C.V.
Direccion:
Pedido: TEL

Folio:	**3270**
Cert. No.	PF-WN-900-300
Date.	15/04/2009

INSPECTION CERTIFICATE

ITEM	PCS	DESCRIPTION	SPECIFICATIONS	HEAT No.	MECHANICAL COMPOSITION TENSILE Mpa	YIELD Mpa	ELONG %	R/Area %	HARDNES HB
1	50	S.O. 1-1/2" 150# R.F.	ASTM A-105-05	08K47313	486	250	26	36	159
2	30	BLD 8" 300# R.F.	ASME SA-105-05	08K69808	496	279	26	35	174
			ASME B16.5-2003						
			NACE MR-0175-03/05						

CHEMICAL COMPOSITION

ITEM	HEAT. No.	C	Mn	P	S	Si	Cu [A]	Ni [A]	Cr [A,B]	Mo [A,B]	V [A]	Nb	CE
1	08K47313	0.160	0.620	0.016	0.021	0.190	0.150	0.030	0.070	0.040	0.010	-	0.30
2	08K69808	0.258	0.803	0.014	0.019	0.199	0.139	0.038	0.082	0.012	0.008	-	0.42

[A] The sum of cooper, nickel, chromium, molybdenum and vanadium shall not exceed 1.00 %
[B] The sum of chromium and molybdenum shall not exceed 0.32%

Ni+Cu)/15

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

PETRO FLANGE S.A. DE C.V.
QUALITY ASSURANCE CONTROL DEPARTAMENT
ENTREGADO