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

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

Folio:	**3036**
Cert. No.	**PF-WNSO-701-81**
Date.	**20/01/2009**

INSPECTION CERTIFICATE

ITEM	PCS	DESCRIPTION	SPECIFICATIONS	HEAT No.	MECHANICAL COMPOSITION TENSILE Mpa	YIELD Mpa	ELONG %	R/Area %	HARDNES HB
1	3	W.N. 24" 150# R.F. SCH-40	ASTM A-105-05	08K47625	487	262	22	32	162
2	15	S.O. 16" 150# R.F.	ASME SA-105-ED2007-AD08	08K47316	485	250	26	36	159
			ASME B16.5						
			NACE MR-0175-03/05						
			BS3293						

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	08K47625	0.258	0.803	0.021	0.035	0.180	0.170	0.033	0.101	0.003	0.002	-	0.43
2	08K47316	0.160	0.624	0.014	0.027	0.348	0.247	0.017	0.046	0.009	0.004	-	0.29

[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.

QUALITY ASSURANCE CONTROL DEPARTAMENT

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

UCRF