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

Vendido a: FERRISAI, S.A. DE C.V.
Direccion:
Pedido: TEL

Folio:	**2409**
Cert. No.	**PFSB-578-4**
Date.	**23/06/2008**

INSPECTION CERTIFICATE

ITEM	PCS	DESCRIPTION	SPECIFICATIONS	HEAT No.	MECHANICAL COMPOSITION TENSILE Mpa	YIELD Mpa	ELONG %	R/Area %	HARDNES HB
1	5	W.N. 12" 300# R.F. SCH-40	ASTM A-105-05 ASME SA-105-05 ASME B16.5-2003 NACE MR-0175-03/05 MSS SP-44 MSS SP-6	694	510	275	31	34	174

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	694	0.192	0.759	0.016	0.017	0.207	0.179	0.025	0.014	0.008	0.009	-	0.34

[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%

CE= C+Mn/6+(Cr+Mo+V)/5+(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