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

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

Direccion:

Pedido: TEL

Folio:	**2599**
Cert. No.	PF-W-578-4
Date.	25/08/2008

INSPECTION CERTIFICATE

ITEM	PCS	DESCRIPTION	SPECIFICATIONS	HEAT No.	MECHANICAL COMPOSITION				
					TENSILE Mpa	YIELD Mpa	ELONG %	R/Area %	HARDNES HB
1	4	S.O. 6" 150# R.F.	ASTM A-105-05 ASTM A-181 ASME SA-105-05 ASME B16.5-2003 NACE MR-0175-03/05 MSS SP-44 MSS SP-6	8329	505	272	32	35	167

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	8329	0.190	0.670	0.019	0.019	0.180	0.150	0.036	0.040	0.020	0.010	-	0.33

[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