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

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

Folio:	**2768**
Cert. No.	**PF-SWB-579-4**
Date.	**16/10/2008**

INSPECTION CERTIFICATE

ITEM	PCS	DESCRIPTION	SPECIFICATIONS	HEAT No.	MECHANICAL COMPOSITION TENSILE Mpa	YIELD Mpa	ELONG %	R/Area %	HARDNES HB
1	200	S.O. 2-1/2" 150" R.F.	ASTM A-105-05 ASME SA-105-05 ASME B16.47 SERIE B-2003 NACE MR-0175-03/05 MSS SP-6	08K33621	505	272	32	31	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	08K33621	0.268	0.867	0.022	0.024	0.190	0.190	0.030	0.047	0.029	0.010	-	0.44

[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