



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

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

Direccion:

Pedido: TEL

Folio:	3153
Cert. No.	PF-WN-807-187
Date.	10/03/2009

INSPECTION CERTIFICATE

ITEM	PCS	DESCRIPTION	SPECIFICATIONS	HEAT No.	MECHANICAL COMPOSITION				
					TENSILE Mpa	YIELD Mpa	ELONG %	R/Area %	HARDNES HB
1	100	W.N. 1-1/2" 150# R.F. SCH-STD	ASTM A-105-05 ASME SA-105-05 ASME B16.5-2003 NACE MR-0175-03/05	08K26613	486	287	32	36	169
2	50	W.N. 1" 150# R.F. SCH-STD		07K00101	490	251	32	35	143

CHEMICAL COMPOSITION

ITEM	HEAT. No.	C	Mn	P	S	Si	Cu ^A	Ni ^A	Cr ^{AB}	Mo ^{AB}	V ^A	Nb	CE
1	08K26613	0.247	0.845	0.018	0.011	0.193	0.179	0.033	0.101	0.021	0.003	-	0.43
2	07K00101	0.236	0.624	0.014	0.034	0.205	0.110	0.011	0.048	0.039	0.010	-	0.37

^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 DEPARTMENT

