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

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

| | |
|---|---|
| **Folio:** | 2874 |
| **Cert. No.** | PF-WN-585-52 |
| **Date.** | 18/11/2008 |

## INSPECTION CERTIFICATE

| ITEM | PCS | DESCRIPTION | SPECIFICATIONS | HEAT No. | MECHANICAL COMPOSITION TENSILE Mpa | YIELD Mpa | ELONG % | R/Area % | HARDNES HB |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 | W.N. 4" 600# R.F. SCH-80 | ASTM A-105-05<br>ASME SA-105-ED2007-AD08<br>ASME B16.5<br>NACE MR-0175-03/05<br>MSS SP-6<br>API 6A-6B | 865 | 487 | 274 | 31 | 34 | 178 |

## 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 | 865 | 0.194 | 0.824 | 0.021 | 0.019 | 0.300 | 0.125 | 0.016 | 0.084 | 0.006 | 0.001 | - | 0.36 |

[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
JGRF