

PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: PLESA ANAHUAC Y CIAS, S.A. DE C.V.

NUMERO: PTM-02164-2005

CLIENTER:

NUMBER

pedido cliente / P.O.

13759

pedido interno / I.O.

13759

PARTIDA(S)

B0587-10

FECHA

JULIO 15, 2005

ITEMS

B0587-10

DATE

JULIO 15, 2005

DIAMETRO: 18" ESPESOR DE PARED: 0.250"

WALL THICKNESS: 0.250"

GRADO: 41 Kg/cm²

GRADE: 580 PSI

ASTM A53-B

PRESSION HIDROSTATICA: 41 Kg/cm²

HIDROSTATIC TEST: 580 PSI

PRUEBAS DE TENSION
TENSILE TEST

CHEMICAL ANALISES PERCENT WEIGHT
ANALISIS QUIMICO % EN PESO

| NO/PROBETA DESCRIPTION | COLADA HEAT | LIMITE ELASTICO YIELD STRENGTH (P.S.I.) | ULTIMA TENSION TENSILE STRENGTH (P.S.I.) | % ELONG. 2" | LENT Y.S.T.S | C | Mn | P | S | CB | V | Ti | Si | Cu | Al | Ca | Cr | Ni | Mo | N | Ceq |
|---------------------------|----------------|---|--|----------------|-----------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|-----|
| 4-7 TC TS | 247507 | 45 045 | 67 568 74 423 | 86 | 0.67 | 0.172 | 1.13 | 0.020 | 0.006 | 0.002 | 0.003 | 0.004 | 0.180 | 0.040 | 0.041 | 0.0016 | 0.030 | 0.030 | 0.007 | 0.0040 | |
| 2-2 TC TS | 247509 | 48 892 | 70 405 76 971 | 38 | 0.69 | 0.130 | 0.79 | 0.012 | 0.008 | 0.001 | 0.002 | 0.003 | 0.140 | 0.020 | 0.041 | 0.0034 | 0.030 | 0.030 | 0.005 | 0.0050 | |

CERTIFICAMOS QUE LA TUBERIA AGUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APLICABLES DE LA ESPECIFICACION:

WE CERTIFY THE PIPE ABOVE MENTIONED ACCOMPLISH AND HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:

ASTM A53-B -02

ING. FERNANDO OSORIO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD

