

CUSTOMER:

PEDIDO CLIENTE /P.O.

PARTIDA (S)

ITEMS

FECHA  
DATE

OCTUBRE 22, 2005

PEDIDO INTERNO /I.O. 257

65861-40

PRESSION HIDROSTATICA:  
HIDROSTATIC TEST: 94 Kg/cm<sup>2</sup> 1340 PSI

ANALISIS QUIMICO % EN PESO  
CHEMICAL ANALYSES PERCENT WEIGHT

GRADO : ASTM A53-B

ESPESSOR DE PARED  
WALL THICKNESS 0.406"

DIAMETRO : 12.3/4"

PRUEBAS DE TENSION  
TENSILE TEST

NUMPROBETA  
DESCRIPTION

COLADA  
HEAT

LIMITE ELASTICO  
YIELD STRENGTH (P.S.I.)

ULTIMA TENSION  
TENSILE STRENGTH (P.S.I.)

% ELONG.  
2"

LEALT  
Y.S.T.S

C

Mn

P

S

Cb

Y

Ti

Si

Cu

Al

Ca

Cr

Ni

Mo

N

Ceq

3-5 Tc  
Ts

153309

53 540

69 618  
70 484

36

0.77

0.167

1.09

0.021

0.008

0.001

0.005

0.004

0.181

0.030

0.039

0.0022

0.020

0.030

0.007

0.0070

4-1 Tc  
Ts

153314

54 078

36

0.76

0.180

1.12

0.018

0.009

0.001

0.004

0.160

0.030

0.038

0.0017

0.020

0.030

0.011

0.0066

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO  
FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO  
CON LOS REQUISITOS APPLICABLES DE LA ESPECIFICACION:  
ASTM A53-B -02

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

ING. FERNANDO OSORIO PEREZ  
GERENTE DE SEGURAMIENTO DE CALIDAD

10/22/05