



Av. Guerrero
No. 379 mte.
Col. Del Norte
Monterrey N.L., Mexico
C.P. 644500
TEL: 3335555
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CERTIFICADO DE TUBERIA

PIPE CERTIFICATE

No. CERTIFICADO (certificate No.):

070075

| | | | | | | | | | |
|------------------------------|--|----------------------------------|----------------------------|---|------------------------------|------------------------------|---|----------------------------------|-------------------------------|
| O.T. (order no.) 23019 | DIAMETRO (outside diam.) 20.000" | ESPESOR (thickness) 0.375" | GRADO (grade) A 53 B | ESPECIFICACION (specification) A.S.T.M. | PROCESO (process) DSAW | PEDIDO (contract) 2318 | O. PREPARACION (preparation order) B-339-2006 | PROVEEDOR (supplier) AHMSA | FECHA (date) 24/01/2007 |
|------------------------------|--|----------------------------------|----------------------------|---|------------------------------|------------------------------|---|----------------------------------|-------------------------------|

CLIENTE (customer):
PLESA ANAHUAC Y CIAS., S.A. DE C.V.
DIRECCION (address): AV. VALLE DE LAS ALAMEDAS # 66 O COL. SAN FCO. CHILPAN
TULTITLAN, EDO. DE MEXICO C.P. 54940

| TUBO (pipe) | COLADA (heat) | T Y P O C | L P C | DUREZA (Rockwell PSI) | ORIENTACION (orientation) (T.S.) | TAMANO (inch) (T.S.) | % EL. Y.B.T.S. | BEND. | HARDNESS | PRUEBA DE IMPACTO (impact test) | | | DWTT | | | GRAN SIZE | T Y P O C | L P C | Mn | P | S | SI | AI | Cu | Cr | Ni | Mo | Ti | Nb | B | V | N | Als | Ca | PCM | CE | | | | | | | | | | |
|----------------|------------------|-----------------------|-------------|-----------------------------|--|----------------------------|-------------------|-------|----------|---------------------------------|---|---|------|---|---|-----------|-----------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|---|---|-----|----|-----|-------|------|-------|------|------|---|-------|------|-------|------|------|
| | | | | | | | | | | ENERGY (ft-lb) | 1 | 2 | 3 | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | 2 | 3 | | | | | | |
| 37 | 251938 | H | 7 | 50800 | 64400 | 40 | 0.79 | | | | | | | | H | 7 | 0.16 | 0.46 | 0.015 | 0.008 | 0.120 | 0.044 | 0.020 | 0.030 | 0.030 | 0.009 | - | - | - | - | - | - | - | - | - | 0.007 | 0.19 | 0.26 | | | | | | | | |
| 56 | 251939 | H | 7 | 59200 | 73100 | 39 | 0.81 | | | | | | | | P | 7 | 0.15 | 0.53 | 0.007 | 0.005 | 0.168 | 0.030 | 0.020 | 0.070 | 0.030 | 0.010 | 0.003 | 0.009 | 0.0002 | 0.003 | - | - | - | - | - | - | - | 0.005 | 0.18 | 0.24 | | | | | | |
| 24 | 251938 | | | | | | | | | | | | | | H | 7 | 0.14 | 0.50 | 0.007 | 0.006 | 0.168 | 0.030 | 0.020 | 0.060 | 0.030 | 0.010 | 0.006 | 0.008 | 0.0003 | 0.004 | - | - | - | - | - | - | - | - | - | - | - | 0.005 | 0.18 | 0.28 | | |
| 58 | 251939 | | | | | | | | | | | | | | H | 7 | 0.14 | 0.79 | 0.016 | 0.008 | 0.140 | 0.034 | 0.020 | 0.020 | 0.030 | 0.009 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.001 | 0.19 | 0.25 | | |
| | | | | | | | | | | | | | | | P | 7 | 0.15 | 0.52 | 0.006 | 0.005 | 0.180 | 0.040 | 0.030 | 0.050 | 0.020 | 0.010 | 0.006 | 0.009 | 0.0001 | 0.001 | - | - | - | - | - | - | - | - | - | - | - | - | - | 0.001 | 0.21 | 0.28 |

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|--|------------------------|---------|-----------------|--------|---|--|---|
| PRUEBA HIROSTATICA (hydrostatic test) | PRESSION (pressure) | 790 Psi | TEMPO (time) | 10 sec | ORIENTACION (orientation): 1 TRANSVERSAL (transverse) 2 LONGITUDINAL (longitudinal) TAMANO (size) 3 RECTANGULAR (rectangular) 1" 4 CILINDRICA (round bar) 0.500" 5 CILINDRICA (round bar) 0.350" LOCALIZACION (location) | 6 SOLDADURA (weld) 7 METAL BASE (base metal) 8 ZONA AFECTADA (h a z) 9 LINEA DE FUSION (fusion line) TIPO DE PRUEBA (type) H: COLADA (heat) P: PRODUCTO (product) R: REMUESTRIO (recheck) | CERTIFICAMOS QUE EL MATERIAL DESCRITO HA SIDO HECHO DE ACUERDO CON LA ESPECIFICACION NOMINADA Y QUE LOS RESULTADOS SON COMO SE APRESENTAN EN ESTOS TUBOS DE LA COMPAÑIA DE TUBERIA DE CALIDAD. WE HEREBY CERTIFY THAT MATERIAL DESCRIBED HEREIN HAS BEEN MADE IN ACCORDANCE WITH THE SPECIFICATION MENTIONED AND THAT THESE TEST RESULTS ARE AS THEY APPEAR IN RECORD OF THE COMPANY. |
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Control de Calidad
Tubacero
AHMSA
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