

|                                     |                  |                |
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| CERTIFICADO DE PRUEBAS EN FABRICA   | Number / Número: | Page / Página: |
| CERTIFICADO DE PRUEBAS EN FABRICA   | 10046756         | 1 / 6          |
| Date / Día: <b>October 08, 2010</b> |                  |                |

|  |                                  |  |   |  |
|--|----------------------------------|--|---|--|
| Customer / Cliente: <b>PLESA ANAHUAC Y CIAS, S.A. DE C.V.</b>  |                                  | Customer's Order Item / Orden Cliente - Item:<br><b>N/A</b>                              | Customer's Reference / Ref. del Cliente:<br><b>N/A</b>  | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>148144/01</b> |
| Manufacturing Process / Proceso de Manufactura:<br><b>SEAMLESS HOT ROLLED<br/>LAMINADO EN CALIENTE SIN COSTURA</b> |                                  | Product Type / Tipo de Producto:<br><b>LINE PIPE SEAMLESS<br/>CONDUCCION SIN COSTURA</b> |   | Surface / Superficie:<br><b>VARNISHED<br/>BARNIZADO</b>                    |
| Standard or Specification / Normas o Especificaciones:<br><b>API SPEC 5L, OCTOBER 1, 2007</b>                      |                                  |  | Steel Grade / Grado de acero:<br><b>B/X42-L245/L290 PSL1</b>  | Ends / Extremos:<br><b>NORMAL BEVEL<br/>BISELADO NORMAL</b>                |
| Dimensions / Dimensiones:<br><b>14.000 X 0.75 INCH<br/>355.6 X 19.1 MM</b>   | Schedule / Cédula:<br><b>080</b> | Length / Longitud:<br><b>39.37 / 41.01 FT<br/>12.00 / 12.50 MTS</b>                      | Quantity / Cantidad: <b>3 Pcs/Pz</b><br><b>121.555 FT      13069.014 LB<br/>37.050 MTS      5928.000 KG</b> | Nominal Weight / Peso Nominal:<br><b>106.23 LB/FT<br/>158.49 KG/M</b>      |

TENSILE TEST / ENSAYO DE TENSION

| Heat N°<br>Colada N° | Sample N°<br>Muestra N° | Specimen condition<br>Condición de la probeta |    |              |     | Specimen dimensions<br>Dimensiones de la probeta |                        | Test<br>Temp.<br>ensayo<br>°C | Y.S.<br>Eul 0.50 %  |                     | U.T.S.          | Y.S./U.T.S.<br>Req. Max. | Elongation / Alargamiento |           |           |
|----------------------|-------------------------|---|----|--------------|-----|--|------------------------|-------------------------------|---------------------|---------------------|-----------------|--------------------------|---------------------------|-----------|-----------|
|                      |                         | Ls  | Sc | Type<br>Tipo | Ori | Size<br>Tamaño<br>mm                             | Area<br>Sección<br>mm2 |                               | Min: 290<br>Max: -- | Min: 415<br>Max: -- | Req. Max.<br>-- |                          | Lo<br>in                  | Min.<br>% | Obt.<br>% |
|                      |                         |   |    |              |     |  |                        |                               |                     |                     |                 |                          |                           |           |           |
| 48871                | 18123                   | B   | AM | Ss           | L   | 37.95 X 20.02                                    | 759,76                 | RT                            | 320                 | 508                 | 0,63            | 2                        | 32.2                      | 44.0      |           |
| 49434                | 18125                   | B   | AM | Ss           | L   | 37.91 X 19.12                                    | 724,84                 | RT                            | 326                 | 517                 | 0,63            | 2                        | 31.9                      | 46.0      |           |
| 49434                | 18567                   | B   | AM | Ss           | L   | 37.97 X 19.61                                    | 744,59                 | RT                            | 325                 | 517                 | 0,63            | 2                        | 32.1                      | 44.0      |           |

|  |  |   |  |
|--|--|---|--|
| AM: As manufactured / Según proceso de fabricación | Ls: Location of sample / Ubicación de la muestra | Ori: Orientation / Orientación                | Sc: Specimen condition / Condición de la probeta |
| B: Body / Cuerpo                                   | Max: Maximum / Máximo                            | Req. Max: Required maximum / Máximo requerido | Ss: Strip specimen / Muestra rectangular         |
| L: Longitudinal / Longitudinal                     | Min: Minimum / Mínimo                            | Req: Required / Requerido                     | U.T.S: Ultimate tensile strength / Resistencia   |
| Lo: Initial length / Longitud inicial              | Obt: Obtained / Obtenido                         | RT: Room temperature / Temperatura ambiente   | Y.S: Yield strength / Fluencia                   |

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| Manufacturing Process / Proceso de Manufactura:<br><b>SEAMLESS HOT ROLLED<br/>LAMINADO EN CALIENTE SIN COSTURA</b> |                                  | Product Type / Tipo de Producto:<br><b>LINE PIPE SEAMLESS<br/>CONDUCCION SIN COSTURA</b> |   | Surface / Superficie:<br><b>VARNISHED<br/>BARNIZADO</b>                    |
| Standard or Specification / Normas o Especificaciones:<br><b>API SPEC 5L, OCTOBER 1, 2007</b>                      |                                  |  | Steel Grade / Grado de acero:<br><b>B/X42-L245/L290 PSL1</b>  | Ends / Extremos:<br><b>NORMAL BEVEL<br/>BISELADO NORMAL</b>                |
| Dimensions / Dimensiones:<br><b>14.000 X 0.75 INCH<br/>355.6 X 19.1 MM</b>   | Schedule / Cédula:<br><b>080</b> | Length / Longitud:<br><b>39.37 / 41.01 FT<br/>12.00 / 12.50 MTS</b>                      | Quantity / Cantidad: <b>3 Pcs/Pz</b><br><b>121.555 FT                      13069.014 LB<br/>37.050 MTS                      5928.000 KG</b> | Nominal Weight / Peso Nominal:<br><b>106.23 LB/FT<br/>158.49 KG/M</b>      |

CHEMICAL COMPOSITION / COMPOSICIÓN QUÍMICA

|                      |                         | Composition % / Composición % |     |    |     |    |        |     |     |    |     |    |     |    |    |    |         |    |    |        |        |        |      |     |
|----------------------|-------------------------|-------------------------------|-----|----|-----|----|--------|-----|-----|----|-----|----|-----|----|----|----|---------|----|----|--------|--------|--------|------|-----|
|                      |                         | X 100                         |     |    |     |    | X 1000 |     |     |    |     |    |     |    |    |    | X 10000 |    |    | X 100  |        |        |      |     |
|                      |                         | C                             | Mn  | Si | Cr  | Mo | S      | P   | Ni  | V  | Cu  | Al | Sn  | As | Nb | Ti | Ca      | B  | N  | Col. 1 | Col. 2 | Col. 3 |      |     |
| Heat N°<br>Colada N° | Sample N°<br>Muestra N° | H                             | Max | 28 | 120 | -- | 40     | 15  | 30  | 30 | 400 | 80 | 400 | -- | -- | -- | --      | -- | -- | --     | 6      | 100    | 15   |     |
|                      |                         | Min                           | --  | 29 | 10  | -- | --     | --  | --  | -- | --  | -- | --  | -- | -- | -- | --      | -- | -- | --     | --     | --     | --   | --  |
| Heat N°<br>Colada N° | Sample N°<br>Muestra N° | P                             | Max | 28 | 120 | -- | 40     | 15  | 30  | 30 | 400 | 80 | 400 | -- | -- | -- | --      | -- | -- | --     | 6      | 100    | 15   |     |
|                      |                         | Min                           | --  | 29 | 10  | -- | --     | --  | --  | -- | --  | -- | --  | -- | -- | -- | --      | -- | -- | --     | --     | --     | --   | --  |
| 48871                | 00001                   | H                             |     | 19 | 86  | 20 | 8      | 3.2 | 1.4 | 13 | 60  | 0  | 145 | 20 | 8  | 4  | 0       | 0  | 17 | 0      | 65     | 0      | 31.7 | 0   |
| 48871                | 18123                   | P                             |     | 21 | 85  | 19 | 8      | 3.2 | 1.6 | 12 | 60  | 0  | 142 | 17 | 7  | 4  | 0       | 0  | 19 | 0      | 65     | 0      | 31.4 | 0   |
| 48871                | 18124                   | P                             |     | 18 | 87  | 18 | 8      | 3.2 | 1   | 12 | 60  | 0  | 149 | 16 | 9  | 4  | 0       | 0  | 13 | 0      | 65     | 0      | 32.1 | 0   |
| 49434                | 00001                   | H                             |     | 19 | 91  | 21 | 3      | 2.2 | 1.7 | 13 | 40  | 0  | 103 | 21 | 9  | 3  | 0       | 0  | 18 | 0      | 64     | 0      | 19.5 | 0   |
| 49434                | 18125                   | P                             |     | 21 | 91  | 21 | 3      | 2.4 | 2   | 12 | 40  | 0  | 99  | 22 | 7  | 3  | 0       | 0  | 20 | 0      | 64     | 0      | 19.3 | 0   |
| 49434                | 18126                   | P                             |     | 22 | 89  | 20 | 3      | 2.4 | 2.3 | 12 | 40  | 0  | 101 | 21 | 8  | 3  | 0       | 4  | 18 | 0      | 64     | 0      | 19.5 | 0.4 |
| 49434                | 18567                   | P                             |     | 21 | 91  | 21 | 3      | 2.5 | 2.2 | 13 | 40  | 0  | 101 | 23 | 8  | 3  | 0       | 4  | 19 | 0      | 64     | 0      | 19.6 | 0.4 |
| 49434                | 18568                   | P                             |     | 21 | 91  | 22 | 3      | 2.4 | 2.1 | 13 | 40  | 0  | 102 | 24 | 8  | 3  | 0       | 4  | 18 | 0      | 64     | 0      | 19.6 | 0.4 |

|                            |                      |                       |                       |
|----------------------------|----------------------|-----------------------|-----------------------|
| Col. 1: SUMA Nb+V          | Col. 3: SUMA Nb+V+Ti | Max: Maximum / Máximo | P: Product / Producto |
| Col. 2: SUMA Mo+Cr+Ni+Cu+V | H: Heat / Colada     | Min: Minimum / Mínimo |                       |

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| Date / Día: <b>October 08, 2010</b>   |                                     |                                |

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| Manufacturing Process / Proceso de Manufactura:<br><b>SEAMLESS HOT ROLLED<br/>LAMINADO EN CALIENTE SIN COSTURA</b> |  | Product Type / Tipo de Producto:<br><b>LINE PIPE SEAMLESS<br/>CONDUCCION SIN COSTURA</b> |  |   |  | Surface / Superficie:<br><b>VARNISHED<br/>BARNIZADO</b>   |  |
| Standard or Specification / Normas o Especificaciones:<br><b>API SPEC 5L, OCTOBER 1, 2007</b>                      |  |  |  | Steel Grade / Grado de acero:<br><b>B/X42-L245/L290 PSL1</b>        |  | Ends / Extremos:<br><b>NORMAL BEVEL<br/>BISELADO NORMAL</b>   |  |
| Dimensions / Dimensiones:<br><b>14.000 X 0.75 INCH<br/>355.6 X 19.1 MM</b>   |  | Schedule / Cédula:<br><b>080</b>   |  | Length / Longitud:<br><b>39.37 / 41.01 FT<br/>12.00 / 12.50 MTS</b> |  | Quantity / Cantidad: <b>3 Pcs/Pz</b><br><b>121.555 FT      13069.014 LB<br/>37.050 MTS      5928.000 KG</b> |  |
|  |  |  |  |   |  | Nominal Weight / Peso Nominal:<br><b>106.23 LB/FT<br/>158.49 KG/M</b>                                       |  |

**THROUGH WALL HARDNESS / DUREZA EN EL ESPESOR**

| Required values<br>Valores requeridos |                         | Individuals / Individuales |           |         |                 | Average / Promedio |         |         |      | Hardness type HRC<br>Tipo de dureza |         |         |      | Var. |      |      |      |     |
|---------------------------------------|-------------------------|----------------------------|-----------|---------|-----------------|--------------------|---------|---------|------|-------------------------------------|---------|---------|------|------|------|------|------|-----|
|                                       |                         | Min: --                    | Max: 22.0 | Var: -- |                 | Min: --            | Max: -- | Var: -- |      | Min: --                             | Max: -- | Var: -- |      |      |      |      |      |     |
| Heat N°<br>Colada N°                  | Sample N°<br>Muestra N° | Specimen condition         |           | Quad.   | Scale<br>Escala | OD                 |         |         |      | MW                                  |         |         |      | ID   |      |      |      |     |
|                                       |                         | Ls                         | Sc        |         |                 | 1                  | 2       | 3       | Avg. | 1                                   | 2       | 3       | Avg. | 1    | 2    | 3    | Avg. |     |
| 48871                                 | 18123                   | B                          | AM        | 1       | HRBW            | 76.3               | 76.2    | 77.4    | 76.6 | 76.7                                | 77.0    | 77.1    | 76.9 | 76.6 | 77.6 | 77.0 | 77.1 | 0.4 |
| 48871                                 | 18124                   | B                          | AM        | 1       | HRBW            | 76.9               | 77.4    | 77.9    | 77.4 | 78.1                                | 78.5    | 78.4    | 78.3 | 77.4 | 78.4 | 78.6 | 78.1 | 0.9 |
| 49434                                 | 18125                   | B                          | AM        | 1       | HRBW            | 70.8               | 77.3    | 77.1    | 75.1 | 76.6                                | 78.1    | 78.1    | 77.6 | 77.7 | 78.2 | 78.1 | 78.0 | 2.9 |
| 49434                                 | 18126                   | B                          | AM        | 1       | HRBW            | 76.9               | 77.7    | 78.0    | 77.5 | 78.3                                | 77.9    | 78.2    | 78.1 | 79.0 | 79.0 | 78.9 | 79.0 | 1.4 |
| 49434                                 | 18567                   | B                          | AM        | 1       | HRBW            | 78.8               | 78.9    | 79.1    | 78.9 | 77.5                                | 78.1    | 78.1    | 77.9 | 78.1 | 78.2 | 77.1 | 77.8 | 1.1 |
| 49434                                 | 18568                   | B                          | AM        | 1       | HRBW            | 78.1               | 78.1    | 77.4    | 77.9 | 76.2                                | 79.3    | 78.1    | 77.9 | 79.1 | 79.2 | 78.5 | 78.9 | 1.1 |

|  |  |   |  |
|--|--|---|--|
| AM: As manufactured / Según proceso de fabricación | ID: Internal diameter / Diámetro interno         | Min: Minimum / Mínimo                   | Quad: Quadrant / Cuadrante                       |
| Avg: Average / Promedio                            | Ls: Location of sample / Ubicación de la muestra | MW: Middle wall / Centro                | Sc: Specimen condition / Condición de la probeta |
| B: Body / Cuerpo                                   | Max: Maximum / Máximo                            | OD: Outside diameter / Diámetro externo | Var: Variation / Variación                       |

**FLATTENING TEST / ENSAYO DE APLASTAMIENTO**

| Standard / Norma:    |                         |                     | Standard / Norma:    |                         |                     | Standard / Norma:    |                         |                     |
|----------------------|-------------------------|---------------------|----------------------|-------------------------|---------------------|----------------------|-------------------------|---------------------|
| Heat N°<br>Colada N° | Sample N°<br>Muestra N° | Result<br>Resultado | Heat N°<br>Colada N° | Sample N°<br>Muestra N° | Result<br>Resultado | Heat N°<br>Colada N° | Sample N°<br>Muestra N° | Result<br>Resultado |
| 48871                | 18123                   | Good / Bueno        | 49434                | 18125                   | Good / Bueno        | 49434                | 18567                   | Good / Bueno        |

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**HYDROSTATIC TEST / PRUEBA HIDRAULICA**

| Pressure / Presión |               | Time / Tiempo      |                              | Results / Resultado |  |
|--------------------|---------------|--------------------|------------------------------|---------------------|--|
| Unit / Unidad.     | Value / Valor | Seconds / Segundos |                              |                     |  |
| psi                | 2,970         | 5                  | Satisfactory / Satisfactorio |                     |  |

**HEAT TREATMENT / TRATAMIENTO TERMICO**

|   |              |
|---|--------------|
| Heat treatment / Tratamiento térmico: <b>Pipe / Tubo</b>  |              |
| Quench media of heat treatment process / Medio de enfriamiento del tratamiento térmico: <b>Water / Agua</b> |              |
| Temperature Scale / Escala de Temperatura: <b>celcius</b>   |              |
|   | Type<br>Tipo |
| asrolled  |              |

**SUPPLEMENTARY INFORMATION / INFORMACION SUPLEMENTARIA**

| Supplementary Information<br>Información Suplementaria  |  |
|---|--|
| Manufactured by TenarisTamsa<br>Steel making process:<br>Electric Arc Furnace-Ladle Furnace-Continuous Casting Machine.<br>Fully Killed Steel | Fabricado por TenarisTamsa<br>Fabricación del acero:<br>Horno de Arco Eléctrico-Horno de Afinación-Máquina de Colada Continua.<br>Acero calmado con aluminio |

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| Supplementary Information<br>Información Suplementaria   |   |
|--|---|
| Material free from Mercury contamination<br>Not repaired by welding<br>Non destructive test. Satisfactory<br>Inspection method<br>* - EMI - FLVI - MPI -<br>API SPEC 5L, OCTOBER 1, 2007, FE. 20090101/ASTM A106.08/<br>ASTM A53.07/ASME SA106.07<br>MATERIAL DE ACUERDO A NACE MR0175-2003<br>Tamsa Ref: 060903 | Material libre de contaminación de Mercurio<br>No reparado por soldadura<br>Control no destructivo. Satisfactorio<br>Método de inspección<br>* - EMI - FLVI - MPI -<br>API SPEC 5L, OCTOBER 1, 2007, FE. 20090101/ASTM A106.08/<br>ASTM A53.07/ASME SA106.07<br>MATERIAL DE ACUERDO A NACE MR0175-2003<br>Tamsa Ref: 060903 |

SUMMARY REPORT / REPORTE RESUMEN

| Heat N°<br>Colada N° | Quantity<br>Cantidad<br>(Pieces) | Length<br>Longitud |      | Weight<br>Peso<br>(Tons) | Heat N°<br>Colada N° | Quantity<br>Cantidad<br>(Pieces) | Length<br>Longitud |       | Weight<br>Peso<br>(Tons) |
|----------------------|----------------------------------|--------------------|------|--------------------------|----------------------|----------------------------------|--------------------|-------|--------------------------|
|                      |                                  | (ft)               | (m)  |                          |                      |                                  | (ft)               | (m)   |                          |
| 48871                | 1                                | 40.68              | 12.4 | 1.98                     | 49434                | 2                                | 80.87              | 24.65 | 3.948                    |

| Average length per pipe<br>Longitud promedio por tubo |       | Nominal weight per pipe<br>Peso nominal por tubo |        |
|---|-------|--|--------|
| (ft)  | (m)   | (lb/ft)  | (kg/m) |
| 40.517  | 12.35 | 107.52   | 160    |


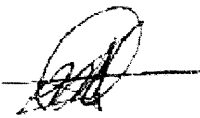

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|   |                                     |                                |
|---|-------------------------------------|--------------------------------|
| <b>CERTIFICADO DE PRUEBAS EN FABRICA</b><br>CERTIFICADO DE PRUEBAS EN FABRICA | Number / Número:<br><b>10046756</b> | Page / Página:<br><b>6 / 6</b> |
| Date / Día: <b>October 08, 2010</b>   |                                     |                                |

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| Customer / Cliente: <b>PLESA ANAHUAC Y CIAS, S.A. DE C.V.</b>  |  | Customer's Order Item / Orden Cliente - ítem:<br><b>N/A</b>                                    |  | Customer's Reference / Ref. del Cliente:<br><b>N/A</b>                    |  | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>148144/01</b>  |  |
| Manufacturing Process / Proceso de Manufactura:<br><b>SEAMLESS HOT ROLLED</b><br><b>LAMINADO EN CALIENTE SIN COSTURA</b> |  | Product Type / Tipo de Producto:<br><b>LINE PIPE SEAMLESS</b><br><b>CONDUCCION SIN COSTURA</b> |  | Surface / Superficie:<br><b>VARNISHED</b><br><b>BARNIZADO</b>             |  | Ends / Extremos:<br><b>NORMAL BEVEL</b><br><b>BISELADO NORMAL</b>   |  |
| Standard or Specification / Normas o Especificaciones:<br><b>API SPEC 5L, OCTOBER 1, 2007</b>                            |  |  |  | Steel Grade / Grado de acero:<br><b>B/X42-L245/L290 PSL1</b>              |  | Nominal Weight / Peso Nominal:<br><b>106.23 LB/FT</b><br><b>158.49 KG/M</b>   |  |
| Dimensions / Dimensiones:<br><b>14.000 X 0.75 INCH</b><br><b>355.6 X 19.1 MM</b>   |  | Schedule / Cédula:<br><b>080</b>   |  | Length / Longitud:<br><b>39.37 / 41.01 FT</b><br><b>12.00 / 12.50 MTS</b> |  | Quantity / Cantidad: <b>3 Pcs/Pz</b><br><b>121.555 FT</b> <b>13069.014 LB</b><br><b>37.050 MTS</b> <b>5928.000 KG</b> |  |

|  |   |
|--|---|
| This is to certify that the product described here has been manufactured, sampled, tested, and inspected in accordance with purchaser order requirements. This certificate is not a declaration of origin nor may it be used as a declaration of origin. | Por el presente certificamos que el material aquí descrito ha sido fabricado, muestreado, ensayado e inspeccionado de acuerdo a los requisitos de su orden de compra. Este certificado no es, ni puede ser usado, como una declaración de origen. |
|--|---|

|  |   |   |  |
|--|---|---|--|
| <br>Quality System Certified N° 110950/010<br>The certification covers the Tenaris<br>Quality Management System exclusively | <b>CUSTOMER . THIRD PARTY</b>   | <b>TENARIS QUALITY DEPARTMENT SIGNATURE</b>   |  |
|  | INSPECTION COMPANY<br>COMPAÑÍA DE INSPECCIÓN<br><br>Company Name: N/A<br>Employee Name: N/A | <br>QUALITY CERTIFICATION DEPT.<br>DEPTO. DE CERTIFICACIÓN DE CALIDAD<br>Alejandro Molina Iglesias | <br>CHIEF OF QUALITY CERTIFICATION DEPT.<br>RESPONSABLE DEL DEPTO. DE CERTIFICACIÓN DE CALIDAD<br>Gonzalo Troncoso Torres |

|   |   |
|---|---|
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|---|---|