

|   |                                    |                                |
|---|------------------------------------|--------------------------------|
| <b>INSPECTION CERTIFICATE 3.1</b><br><b>CERTIFICADO DE INSPECCION 3.1</b><br>(EN 10204 3.1:2004-ISO 10474 3.1:2013) | Number / Número<br><b>19053389</b> | Page / Página:<br><b>1 / 4</b> |
| Date / Día: <b>Oct 15, 2019</b>   |                                    |                                |

|  |  |  |  |  |  |   |  |
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| Customer / Cliente: <b>PLESA ANAHUAC Y CIAS. S.A. DE C.V.</b>  |  | Customer's Order / Orden Cliente - Item N° |  | Customer's Reference/Referencia del cliente                                  |  | Manufacturer's Works Order N° / Confirmación de Venta<br><b>274985/01</b>   |  |
| Manufacture Process / Proceso de fabricación:<br><b>SEAMLESS HOT ROLLED<br/>LAMINADO EN CALIENTE SIN COSTURA</b> |  |  |  | Product Type / Tipo de producto:<br><b>SEAMLESS LINE PIPE<br/>CONDUCCION</b> |  | Surface / Superficie:<br><b>VARNISHED<br/>BARNIZADO</b>   |  |
| Standard or Specification / Normas o especificaciones: <b>API 5L ED46</b>  |  |  |  | Steel Grade / Grado de acero:<br><b>B/X42-L245/L290 PSL1</b>                 |  | Ends / Extremos: <b>PLAIN END<br/>LISO CORTE RECTO</b>  |  |
| Dimensions / Dimensiones:<br><b>1.32 X 0.250 INCH<br/>33.40 X 6.40 MM</b>  |  | Schedule / Cédula<br><b>160</b>            |  | Length / Longitud:<br><b>19.70 / 21.30 FT<br/>6.00 / 6.50 MTS</b>            |  | Quantity / Cantidad: <b>162 Pcs/pz</b><br><b>3,431.529 FT</b> <b>9,934.081 LB</b><br><b>1,045.930 MTS</b> <b>4,506.000 KG</b> |  |
|  |  |  |  |  |  | Nominal Weight / Peso Nominal<br><b>2.85 LB/FT</b><br><b>4.24 KG/M</b>  |  |

### TENSILE TEST / ENSAYOS 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 temp.<br>Temp. de ensayo | Y.S.<br>Unit / Unidad<br>KG/MM2                        |  | U.T.S.<br>Unit / Unidad<br>KG/MM2 |  | Y.S.<br>/ U.T.S.<br>Req. Max. | Elongation<br>Alargamiento<br><br>% in 2 inches<br>Min.:<br>Obt.<br>% |
|----------------------|-------------------------|---|--------------|-----|----------------|--|----|-------------------------------|--|--|-----------------------------------|--|-------------------------------|---|
|                      |                         | Ls  | Type<br>Tipo | Ori | Size<br>Tamaño | mm   | °C |                               | Required/Requerido<br>TMin:<br>TMax:<br>LMin:<br>LMax: | Required/Requerido<br>TMin:<br>TMax:<br>LMin:<br>LMax: |                                   |  |                               |   |
| 24720                | 179216                  | B   | Cyl          | L   | 33.49          |  | RT | 41.2                          | 57.9   | 0.71   | 70.90                             |  |                               |   |
| 24720                | 179248                  | B   | Cyl          | L   | 33.40          |  | RT | 40.1                          | 56.9   | 0.71   | 82.00                             |  |                               |   |
| 25227                | 181987                  | B   | Cyl          | L   | 33.40          |  | RT | 39.0                          | 55.1   | 0.71   | 81.50                             |  |                               |   |

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|--|--|--|---|
| <b>Ls:</b> Location of the sample / Localización de la muestra | <b>B:</b> Body / Cuerpo                              | <b>Cyl:</b> Cylindrical / Cilíndrica                 | <b>Ori:</b> Orientation / Orientación                   |
| <b>L:</b> Longitudinal / Longitudinal                          | <b>RT:</b> Room Temperature / Temperatura Ambiente   | <b>EUL:</b> Extension Under Load Method              | <b>UTS:</b> Ultimate Tensile Strength / Resistencia     |
| <b>Req. Max:</b> Maximum Required / Máximo Requerido           | <b>Obt:</b> Obtained / Obtenido                      | <b>Y.S.:</b> Yield Strength / Fluencia               | <b>LMin:</b> Longitudinal Minimum / Mínimo Longitudinal |
| <b>LMax:</b> Longitudinal Maximum / Máximo Longitudinal        | <b>TMin:</b> Transverse Minimum / Mínimo Transversal | <b>TMax:</b> Transverse Maximum / Máximo Transversal | <b>Min:</b> Minimum / Mínimo                            |

### HARDNESS TEST / ENSAYOS DE DUREZA SUPERFICIAL HARDNESS / DUREZA SUPERFICIAL

| Heat N°<br>Colada N° | Sample N°<br>Muestra N° | Ls | External / Externa          |                         |
|----------------------|-------------------------|----|-----------------------------|-------------------------|
|                      |                         |    | Unit / Unidad:<br>Req. Min: | <b>BHN</b><br>Req. Max: |
| 24720                | 179216                  | B  |                             | 169                     |
| 24720                | 179248                  | B  |                             | 150                     |
| 25227                | 181987                  | B  |                             | 156                     |

|  |                         |                                  |                              |
|--|-------------------------|----------------------------------|------------------------------|
| <b>Ls:</b> Location of the sample / Localización de la muestra | <b>B:</b> Body / Cuerpo | <b>Req:</b> Required / Requerido | <b>Min:</b> Minimum / Mínimo |
|--|-------------------------|----------------------------------|------------------------------|

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| This certificate is issued by a computerized system and it is valid with electronic signature. On the original certificate the trade-mark green colored "Tenaris" is stamped. In case the owner of the original certificate would release a copy of it, he must attest its conformity to the original one taking upon himself the responsibility for any unlawful or not allowed use. Any alteration and/or falsification will be subjected to the law. | Este certificado se emite mediante sistema computarizado y es validado con firma electrónica. El certificado original posee impreso el logo Tenaris color verde. En caso de que el poseedor del certificado entregue una copia, deberá garantizar la conformidad con el original haciéndose responsable por cualquier uso ilegal o indebido. Cualquier alteración y/o falsificación estará sujeta a la ley. |
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| Date / Día: <b>Oct 15, 2019</b>  |                                    |                                |

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| Manufacture Process / Proceso de fabricación:<br><b>SEAMLESS HOT ROLLED</b><br><b>LAMINADO EN CALIENTE SIN COSTURA</b> |  |  |  | Product Type / Tipo de producto:<br><b>SEAMLESS LINE PIPE</b><br><b>CONDUCCION</b> |  |   |  | Surface / Superficie:<br><b>VARNISHED</b><br><b>BARNIZADO</b>          |  |
| Standard or Specification / Normas o especificaciones:<br><b>API 5L ED46</b>   |  |  |  | Steel Grade / Grado de acero:<br><b>B/X42-L245/L290 PSL1</b>                       |  |   |  | Ends / Extremos: <b>PLAIN END</b><br><b>LISO CORTE RECTO</b>           |  |
| Dimensions / Dimensiones:<br><b>1.32 X 0.250 INCH</b><br><b>33.40 X 6.40 MM</b>  |  | Schedule / Cédula<br><b>160</b>            |  | Length / Longitud:<br><b>19.70 / 21.30 FT</b><br><b>6.00 / 6.50 MTS</b>            |  | Quantity / Cantidad: <b>162 Pcs/pz</b><br><b>3,431.529 FT</b> <b>9,934.081 LB</b><br><b>1,045.930 MTS</b> <b>4,506.000 KG</b> |  | Nominal Weight / Peso Nominal<br><b>2.85 LB/FT</b><br><b>4.24 KG/M</b> |  |

### TECHNOLOGICAL TEST / ENSAYOS TECNOLÓGICOS

| Heat N°   | Sample N°  | Bend Test         |
|-----------|------------|-------------------|
| Colada N° | Muestra N° | Ensayo de Curvado |
| 24720     | 179216     | GOOD/BUENO        |
| 24720     | 179248     | GOOD/BUENO        |
| 25227     | 181987     | GOOD/BUENO        |

### CHEMICAL COMPOSITION / COMPOSICIÓN QUÍMICA

|                         |     | Composition % / Composición % |     |      |    |    |        |      |    |    |     |    |    |    |    |    |         |   |    |
|-------------------------|-----|-------------------------------|-----|------|----|----|--------|------|----|----|-----|----|----|----|----|----|---------|---|----|
|                         |     | C                             | Mn  | Si   | Cr | Mo | S      | P    | Ni | V  | Cu  | Al | Sn | As | Nb | Ti | Ca      | B | N  |
|                         |     | X 100                         |     |      |    |    | X 1000 |      |    |    |     |    |    |    |    |    | X 10000 |   |    |
| Heat<br>Colada          | H   | Max                           |     |      |    |    |        |      |    |    |     |    |    |    |    |    |         |   |    |
|                         | Min |                               |     |      |    |    |        |      |    |    |     |    |    |    |    |    |         |   |    |
| Sample N°<br>Muestra N° | P   | Max                           |     |      |    |    |        |      |    |    |     |    |    |    |    |    |         |   |    |
|                         | Min |                               |     |      |    |    |        |      |    |    |     |    |    |    |    |    |         |   |    |
| 24720                   | H   | 15                            | 111 | 24   | 9  | 6  | 1      | 12   | 83 | 36 | 90  | 27 | 5  | 5  | 3  | 2  | 20      | 1 | 98 |
| 179216                  | P   | 16                            | 111 | 24.4 | 9  | 6  | 0.8    | 11.1 | 85 | 35 | 100 | 27 | 5  | 6  | 1  | 2  | 13      | 1 | 90 |
| 179216                  | P   | 16                            | 110 | 24   | 9  | 6  | 1.7    | 12.2 | 84 | 35 | 100 | 27 | 5  | 6  | 2  | 2  | 18      | 1 | 85 |
| 179248                  | P   | 16                            | 112 | 24.6 | 9  | 6  | 1      | 12.2 | 83 | 35 | 100 | 26 | 5  | 5  | 2  | 2  | 18      | 1 | 98 |
| 179248                  | P   | 16                            | 112 | 23.4 | 9  | 6  | 1.1    | 11.4 | 83 | 34 | 100 | 25 | 6  | 5  | 2  | 2  | 18      | 1 | 98 |
| 25227                   | H   | 15                            | 107 | 23   | 6  | 2  | 2      | 13   | 42 | 28 | 150 | 27 | 9  | 3  | 2  | 2  | 14      | 1 | 94 |
| 181987                  | P   | 15                            | 110 | 22.6 | 5  | 2  | 2.9    | 13.2 | 38 | 30 | 140 | 24 | 8  | 3  | 1  | 2  | 11      | 1 | 92 |
| 181987                  | P   | 15                            | 107 | 23.7 | 5  | 2  | 2      | 12.9 | 37 | 29 | 140 | 25 | 8  | 3  | 1  | 2  | 14      | 1 | 95 |

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| Standard or Specification / Normas o especificaciones.<br><b>API 5L ED46</b>                                     |                                 | Steel Grade / Grado de acero.<br><b>B/X42-L245/L290 PSL1</b>                 |   | Ends / Extremos. <b>PLAIN END<br/>LISO CORTE RECTO</b>                    |
| Dimensions / Dimensiones.<br><b>1.32 X 0.250 INCH<br/>33.40 X 6.40 MM</b>  | Schedule / Cédula<br><b>160</b> | Length / Longitud.<br><b>19.70 / 21.30 FT<br/>6.00 / 6.50 MTS</b>            | Quantity / Cantidad. <b>162 Pcs/pz</b><br><b>3,431.529 FT                    9,934.081 LB</b><br><b>1,045.930 MTS                4,506.000 KG</b> | Nominal Weight / Peso Nominal<br><b>2.85 LB/FT<br/>4.24 KG/M</b>          |
| H: Heat / Colada   | P: Product / Producto           | Max: Maximum / Máximo  | Min: Minimum / Mínimo   |   |

### SUPPLEMENTARY INFORMATION / INFORMACIÓN SUPLEMENTARIA

FUNDIDO Y FABRICADO POR TENARIS SIDERCA - ARGENTINA  
 LA PRÁCTICA DE AFINO EN EL HORNO - CUCHARA INCLUYE AGITACION POR ARGON Y UNA INYECCIÓN FINAL DE UNA VARILLA DE CALCIO PURO O SILICIURO DE CALCIO PARA OBTENER UNA FORMA GLOBULAR DE EVENTUALES MICROINCLUSIONES.  
 MATERIAL LIBRE DE CONTAMINACIÓN DE MERCURIO.  
 FABRICACIÓN DE TUBO: LAMINADO EN CALIENTE Y SIN COSTURA.  
 CONTROL VISUAL Y DIMENSIONAL: SATISFACTORIO.  
 NO REPARADO POR SOLDADURA.  
 EL MATERIAL CUMPLE CON LA NORMA NACE MR 01-75 ULTIMA EDICION  
 EDICION DE LA NORMA: API 5L Edition 46°, 2018  
 EDICIÓN DE LA NORMA: ASTM A53/A 53M - 2018  
 EDICION DE LA NORMA : ASTM A106/A 106M - 2018  
 EDICIÓN DE LA NORMA: ASME SA 106/ 2017  
 EDICIÓN DE LA NORMA: NACE MR 01-75 : 2015 - ISO 15156-2 : 2015  
 HEAT TREATING: AS ROLLED  
 NON DESTRUCTIVE TEST (NDT): SATISFACTORY.  
 INSPECTION METHODS: E.M.I. LONG. (EXT.) NOTCH 12,5 % FULL LENGHT  
 WALL THICKNESS MONITORING: U.T. LONGITUDINAL PATH.  
 THIS PRODUCT WAS CUT IN TWO LENGTHS. THE TENSILE TEST WERE PERFORMED IN THE PRIMARY QUANTITY  
 PRUEBA HIDRAULICA: 2970 PSI (5 seg): SATISFACTORIO  
 TAMSА REF: 372110


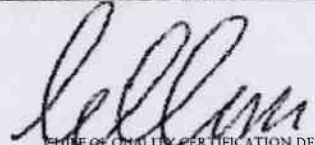
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|--|--|---|---|
| This is to certify that the product described here has been manufactured, sampled, tested, and inspected in accordance with purchaser order requirements. This certificate is not a declaration of origin nor may it be used as a declaration of origin. |  | Por el presente certificamos que el material aqui 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. |   |
|  |  | <b>TENARIS QUALITY DEPARTMENT SIGNATURE</b>   |   |
|  |  | <br>QUALITY CERTIFICATION DEPT.<br>DEPTO. DE CERTIFICACIÓN DE CALIDAD<br><b>Laura Ivette Santiago Lara</b>   | <br>CHIEF OF QUALITY CERTIFICATION DEPT.<br>RESPONSABLE DEL DEPTO. DE CERTIFICACIÓN DE CALIDAD<br><b>ANGEL CESAR ALEMÁN GIL.</b> |

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