

## CERTIFICADO DE PRUEBAS EN FABRICA

|   |                 |                |
|---|-----------------|----------------|
| Customer's Order / Orden Cliente - Item N°            | Number / Número | Page / Página: |
| Customer's Reference/Referencia del cliente           | 13048918        | 1 / 4          |
| Manufacturer's Works Order N° / Confirmación de Venta | Date / Día:     | Jul 09, 2013   |
| 201624/01   |                 |                |

|  |                                    |  |                                  |                               |  |
|--|------------------------------------|--|----------------------------------|-------------------------------|--|
| Customer / Cliente                                     | PLESA ANAHUAC Y CIAS, S.A. DE C.V. |  | Product Type / Tipo de producto: | LINE PIPE SEAMLESS CONDUCCION |  |
| Manufacture Process / Proceso de fabricación:          | SEAMLESS HOT ROLLED                |  | Steel Grade / Grado de acero:    | B/X42-1245/L290 PSL1          |  |
| LAMINADO EN CALIENTE SIN COSTURA                       | API SPEC 5L                        |  | Quantity / Cantidad:             | 34 Pcs/ps                     |  |
| Standard or Specification / Normas o especificaciones: | Schedule / Cédula                  |  | 040                              | Elongation Alargamiento       |  |
| Dimensions / Dimensiones:                              | 1.90 X 0.145 INCH                  |  | Length / Longitud:               | 19.70 / 21.30 FT              |  |
| 48.30 X 3.70 MM  | B                                  |  | 6.00 / 6.50 MTS                  | Req. Max.                     |  |
|  | A4464/L                            |  |                                  | Min.:                         |  |
|  | A4466/L                            |  |                                  | Obt. %                        |  |

### 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.                  |                       | U.T.S. | Elongation Alargamiento |
|----------------------|-------------------------|---|--|-------------------------------|-----------------------|-----------------------|--------|-------------------------|
|                      |                         |   |  |                               | Unit/Unidad<br>KG/MM2 | Unit/Unidad<br>KG/MM2 |        |                         |
| 730505               | A4464/L                 | B   | 12.74 X 3.28                                     | RT                            | 31.5                  | 48.6                  | 0.65   | 26.00                   |
| 730505               | A4466/L                 | R   | 13.03 X 3.80                                     | RT                            | 33.0                  | 50.2                  | 0.66   | 27.00                   |

L: Location of the sample / Localización de la muestra  
 U: Longitudinal / Longitudinal  
 Req. Max: Maximum Required / Máximo Requerido  
 Max: Longitudinal Maximum / Máximo Longitudinal  
 B: Body / Cuerpo  
 RT: Room Temperature / Temperatura Ambiente  
 Obt: Obtained / Obtenido  
 TMin: Transverse Minimum / Mínimo Transversal  
 S: Strip specimen / Rectangular  
 EUL: Extension Under Load Method  
 Y.S.: Yield Strength / Fluencia  
 TMax: Transverse Maximum / Máximo Transversal  
 Ori: Orientation / Orientación  
 UTS: Ultimate Tensile Strength / Resistencia  
 LMin: Longitudinal Minimum / Mínimo Longitudinal  
 Min: Minimum / Mínimo

### TECHNOLOGICAL TEST / ENSAYOS TECNOLÓGICOS

|         |           |            |
|---------|-----------|------------|
| Heat N° | Sample N° | Bend Test  |
| 730505  | A4464/L   | GOOD/BUENO |
| 730505  | A4466/L   | GOOD/BUENO |

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.  
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| Customer / Cliente: <b>PLESA ANAHUAC Y CIAS, S.A. DE C.V.</b>                   | Customer's Order / Orden Cliente - Item N°                               | Manufacturer's Works Order N° / Confirmación de Venta: <b>201624/01</b> |
| Manufacture Process / Proceso de fabricación:<br><b>SEAMLESS HOT ROLLED</b>     | Product Type / Tipo de producto:<br><b>LINE PIPE SEAMLESS CONDUCCION</b> | Surface / Superficie:<br><b>VARNISHED BARNIZADO</b>                     |
| <b>LAMINADO EN CALIENTE SIN COSTURA</b>   | API SPEC SL  | Ends / Extremos: <b>PLAIN END</b>                                       |
| Standard or Specification / Normas o especificaciones:                          | Schedule / Cédula: <b>040</b>  | Nominal Weight / Peso Nominal: <b>2.72 LB/FT</b><br><b>4.07 KG/M</b>    |
| Dimensions / Dimensiones:<br><b>1.90 X 0.145 INCH</b><br><b>48.30 X 3.70 MM</b> | Length / Longitud:<br><b>19.70 / 21.30 FT</b><br><b>6.00 / 6.50 MTS</b>  | Steel Grade / Grado de acero:<br><b>B/X42-1245/1290 PSL1</b>            |
|   | Quantity / Cantidad: <b>34 Pcs/pz</b>                                    |   |

### CHEMICAL COMPOSITION / COMPOSICIÓN QUÍMICA

| Heat / Colada | Sample N° / Muestra N° | Composition % / Composición % |    |    |    |    |   |    |     |   |     |    |    |
|---------------|------------------------|-------------------------------|----|----|----|----|---|----|-----|---|-----|----|----|
|               |                        | C                             | Mn | Si | Cr | Mo | S | P  | Ni  | V | Cu  | Nb | Ti |
|               |                        | X.100                         |    |    |    |    |   |    |     |   |     |    |    |
|               |                        | X.1000                        |    |    |    |    |   |    |     |   |     |    |    |
| 730505        | H                      | 16                            | 90 | 23 | 9  | 6  | 4 | 9  | 170 | 2 | 200 | 3  | 3  |
| A4464/L       | P                      | 17                            | 91 | 25 | 9  | 6  | 3 | 9  | 180 | 2 | 200 | 2  | 2  |
| A4465/L       | P                      | 17                            | 92 | 25 | 9  | 6  | 3 | 10 | 180 | 2 | 210 | 2  | 2  |
| A4466/L       | P                      | 17                            | 91 | 25 | 9  | 6  | 3 | 9  | 180 | 2 | 200 | 1  | 2  |
| A4467/L       | P                      | 17                            | 91 | 25 | 9  | 6  | 3 | 9  | 180 | 2 | 200 | 2  | 1  |

H: Heat / Colada      P: Product / Producto      Max: Maximum / Máximo      Min: Minimum / Mínimo

### SUPPLEMENTARY INFORMATION / INFORMACIÓN SUPLEMENTARIA

MANUFACTURED BY TENARIS SILCOTUB  
 Standard: API SL Year: 2008 Revision: Ed... Revision year: 44  
 Standard: ASTM A 53-12 Year: 2012  
 Standard: ASME SA 53 Year: 2010 Revision: ADD. Revision year: 2011A  
 Standard: NACE MR0175 Year: 2003  
 NONDESTRUCTIVE TEST - EDDY CURRENT ACC. TO ASTM E309: WITHOUT OBJECTIONS  
 NONDESTRUCTIVE TEST - EMI ACC. TO ASTM E 570: WITHOUT OBJECTIONS  
 MATERIAL ACC. TO ASTM/ASME II PART D TAB Y/NACE MR 01-75  
 AFTER EMI INSPECTION, UNTESTED ENDS HAVE BEEN CUT OFF

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| Customer / Cliente: <b>PLESA ANAHUAC Y CIA S, 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                  |
| Manufacture Process / Proceso de fabricación:<br><b>SEAMLESS HOT ROLLED</b>     | Product Type / Tipo de producto:<br><b>LINE PIPE SEAMLESS</b> | Surface / Superficie:<br><b>VARNISHED</b>                               |  |
| <b>LAMINADO EN CALIENTE SIN COSTURA</b>   | CONDUCCION  | <b>BARNIZADO</b>  |  |
| Standard or Specification / Normas o especificaciones:<br><b>API SPEC SL</b>    | Steel Grade / Grado de acero:<br><b>BX42-1245/L290 PSL1</b>   | Ends / Extremos: <b>PLAIN END</b>                                       |  |
| Dimensions / Dimensiones:<br><b>1.90 X 0.145 INCH</b><br><b>48.30 X 3.70 MM</b> | Schedule / Cédula:<br><b>040</b>                              | Length / Longitud:<br><b>19.70 / 21.30 FT</b><br><b>6.00 / 6.50 MTS</b> | Nominal Weight / Peso Nominal:<br><b>2.72 LB/FT</b><br><b>4.07 KGM</b> |
|   | Quantity / Cantidad:<br><b>34 Pcs/pz</b>                      |   |  |

### SUPPLEMENTARY INFORMATION / INFORMACIÓN SUPLEMENTARIA

MATERIAL ACCORDING TO ASTM A106/ASME SA106, GR. B  
 VISUAL AND DIMENSIONAL CONTROL HAS BEEN CARRIED OUT WITH SATISFACTORY RESULT  
 STEEL IS FULLY KILLED AND PRODUCED BY ELECTRIC FURNACE TO A FINE GRAIN PRACTICE  
 THE PRODUCT SUPPLIED IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE ORDER.  
 SUPERFICIAL HARDNESS (Max: 235.0):  
 HEAT SAMPLE SC LS SCALE VAL1 VAL2 VAL3  
 730505 A446#L AM B HBW 146.0 145.0 146.0  
 730505 A446#L AM B HBW 147.0 147.0 147.0  
 SG: SPECIMEN CONDITION  
 AM: AS MANUFACTURED  
 VAL: VALUE  
 LS: LOCATION OF SAMPLE  
 B: BODY  
 HYDROSTATIC TEST: MPA 20.5 ( 5 SECONDS ): SATISFACTORY  
 TAMSA REF: 412583

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Tubos de Acero de México, S.A.  
 Carret. México Veracruz Km 433.7 SN  
 Delfino Valenzuela Tejería, Veracruz, Veracr  
 C.P. 91697 MEXICO  
 (52) 229 989 1100 tel  
 (52) 229 989 1600 fax



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| Customer / Cliente                                     | PLESA ANAHUACY CIAS, S.A. DE C.V. |                    | Customer's Order / Orden Cliente - Item N° | Customer's Reference/Referencia del cliente | Manufacturer's Works Order N° / Confirmación de Venta |
| Manufacture Process / Proceso de fabricación:          | SEAMLESS HOT ROLLED               |                    | Product Type / Tipo de producto:           | LINE PIPE SEAMLESS CONDUCCION               |   |
| LAMINADO EN CALIENTE SIN COSTURA                       | API SPEC SL                       |                    | Steel Grade / Grado de acero:              | B/X42-1245/1290 PSL1                        |   |
| Standard or Specification / Normas o especificaciones: | Schedule / Cedula                 | Length / Longitud: | Quantity / Cantidad:                       | 34 Pcs/pz                                   |   |
| Dimensions / Dimensiones:                              | 040                               | 19.70 / 21.30 FT   |  | 4.07 KG/M                                   |   |
|  |                                   | 6.00 / 6.50 MTS    |  |   |   |

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 CERTIFICATION DEPT.<br>DEPTO. DE CERTIFICACION DE CALIDAD<br><b>GUILLERMO REYES C.</b> | <br>CHIEF OF QUALITY CERTIFICATION DEPT.<br>RESPONSABLE DEL DEPTO. DE CERTIFICACION DE CALIDAD<br><b>Rafael Gutiérrez De Velasco Magallanes</b> |
| <b>TENARIS QUALITY DEPARTMENT SIGNATURE</b>   |  |

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