

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

| INSPECTION CERTIFICATE 3.1 | Number / Número: | Page / Página: |
|--|--------------------------|----------------|
| CERTIFICADO DE INSPECCIÓN 3.1 | 21023661 | 1/4 |
| (FN 10204 3 1-2004-ISO 10474 3 1-2013) | Date / Día: May 17, 2021 | |

| Customer / Cliente: TUBERIA Y VAL | VULAS DEL NORTE, S.A. | DE C.V. | Customer's Order Item / C | orden Cliente - Item: | Customer's Reference / Ref. del Cliente: | Manufacturer's Works Order N° / Confirmación de Venta: |
|---|-----------------------|-----------------------|---------------------------|--------------------------|--|--|
| | | | OC848 ITEM 1 | 1 | N/A | 288738/01 |
| Manufacturing Process / Proceso de Mani | ufactura: | Product Type / Tipo d | e Producto: | | | Surface / Superficie: |
| SEAMLESS HOT ROLLED | | SEAMLESS LINE I | PPE | | | VARNISHED |
| LAMINADO EN CALIENTE SIN (| COSTURA | CONDUCCION | | | | BARNIZADO |
| Standard or Specification / Normas o Espi | cificaciones: | | | Steel Grade / Grado de a | icero: | Ends / Extremos: |
| API 5L ED46 | | | | B/X42-L245/L290 PSL1 | | NORMAL BEVEL |
| | | | | | | BISELADO NORMAL |
| Dimensions / Dimensiones: | Schedule / Cédula: | Length / Longitud: | | Quantity / Cantidad: 12 | cs/pz | Nominal Weight / Peso Nominal: |
| 20.00 X 0.375 INCH | 020 | 26.20 / 38.70 FT | | 438.353 FT | 36,757.864 LB | 78.67 LB/FT |
| 508 X 9.52 MM | | 8.00 / 11.80 MTS | | 133,610 MTS | 16,673.000 KG | 117.02 KG/M |

TENSILE TEST / ENSAYO DE TENSIÓN

| - | | | Sp | ecimen | conditio | XI) | Specimen dim | ensions | Test | Y.S. | U.T.S. | Y.S.AU.T.S | Elongat | ion / Alar | gamient | 3 |
|---|-----------|------------|-----|-----------|----------|------|----------------|------------|--------|----------|--------|------------|---------|------------|---------|------|
| - | Heat N° | Sample N° | | dición de | la proi | beta | Dimensiones de | la probeta | temp | EUL 0.5% | Req. | | | | | |
| - | Colada N° | Muestra Nº | 1.5 | Sc | Type | Ori | Size | Area | Temp. | Min: - | Min: | Req. Max. | Lo | Min. | Min. | Obt. |
| *************************************** | | | | | Tipo | | Tamaño | Sección | ensayo | Max: | Max: - | - | | | | |
| 1 | | į į | | | | | mm | mm2 | °C | MPa | MPa | 1 | cal. | mm | % | % |
| 7 | 903265 | L7669/C | B | AM | Ss | I, | 37.84 x 9.96 | 377.3 | 20 | 356 | 480 | 0.74 | 2° | 50.8 | 28.0 | 43.0 |

| AM: As manufactured / Según proceso de fabricación | Ls: Location of sample / Ubicación de la muestra | Ori: Orientation / Orientación | 5s: Strip specimen / Muestra rectangular |
|--|--|--|--|
| B: Body / Cuerpo | Max: Maximum / Máximo | Req. Max: Required maximum / Máximo requerido | U.T.S: Ultimate tensile strength / Resistencia |
| L: Longitudinal / Longitudinal | Min: Minimum / Minimo | Req: Required / Requerido | Y.S: Yield strength / Fluencia |
| Lo: Initial length / Longitud inicial | Obt: Obtained / Obtenido | Sc: Specimen condition / Condición de la probeta | |

CHEMICAL COMPOSITION / COMPOSICIÓN QUÍMICA

| | | | | | | | | Compo | sition | % 10 | omposi | ción % | , | | | | | | | | | | | | Compa | osition | %/0 | ompos | ición % | , | | | |
|-----------|------------|---|-----|------|----|---------|-------|-------|--------|------|--------|--------|--------|---|----|--------|--------|--|--------|-----|---------|----|----|-------|-------|---------|-----|----------|---------|--------|---|----|--------|
| | | | 100 | 2000 | | 210,002 | X 199 | | | | | | X 1000 | | | X 1900 | | | | | | | | X 100 | | | | | | X 1000 | | | X 1000 |
| | | | | C | Cr | Cu | Mn | Mo | Sì | Ni | ٧ | Ti | p | S | Nb | В | | | | | С | Cr | Cu | Mn | Mo | Şi | Ni | ٧ | Ti | p | S | Nb | В |
| | | Н | Max | - | - | | - | - | - | | | - | | - | - | - | 1 | | Н | Max | - | - | - | | - | - | - | - | - | - | - | | - |
| | | 1 | Min | - | - | - | | - | - | | - | | I | | | | 1 | | | Min | - | - | | - | - | - | - | - | - | - | | - | - |
| Heat N° | Sample N° | P | Max | - | - | - | | - | | | | - | | | | - | Heat | 4° Sample N | o p | Max | - | T | - | - | - | T - | - | T | - | T = | - | - | - |
| Colada Nº | Muestra Nº | | Min | | - | - | - | - | | | | - | - | | - | - | Colada | Nº Muestra N | 10 | Min | | - | | - | - | - | - | - | - | T- | - | - | - |
| 903265 | ** | Π | Н | 10 | 18 | 17 | 101 | 9 | 21 | 21 | 30 | 1 | 10 | 2 | 1 | 1 | 9032 | 5 L7670 | \neg | P | 10 | 17 | 17 | 101 | 8 | 20 | 20 | 30 | 1 | 10 | 2 | 1 | П |
| 903265 | 1.7669/C | 1 | P | 11 | 18 | 17 | 100 | 8 | 20 | 20 | 30 | 1 | 21 | 2 | 1 | 1 | | ······································ | | | | | | • | * | | | <u> </u> | * | ***** | • | | - |

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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| | INS | PECTION | CERTIFICAT | TE 3.1 | | Number / Número: | Page / Pági | na: |
|---|--|--------------------------------------|--------------------------------------|---|-------------|--------------------------------|----------------------|---|
| | | CERTIFICADO I | DE INSPECCIÓN | 13.1 | | 21023661 | 2/4 | |
| | (EN | 10204 3.1:200 | 04-ISO 10474 3. | .1:2013) | | Date / Dia: May 17, 2023 | ı | |
| stomer / Cliente: TUBERIA Y VALV | ULAS DEL NORTE, S.A | | Customer's Order Item / OC848 ITEM 1 | Orden Cliente - Item: | Cust N/A | omer's Reference / Ref. del C | liente: Manu 2887 | facturer's Works Order Nº / Confirmación de Venta: 38/01 |
| nufacturing Process / Proceso de Manuf. | actura: | Product Type / Tipo de | e Producto: | | | | Surfa | ce / Superficie: |
| AMLESS HOT ROLLED | | SEAMLESS LINE P | TPE | | | | | NISHED |
| MINADO EN CALIENTE SIN CO | ······································ | CONDUCCION | | 15. 15. 15. 1 | | | | NIZADO |
| indard or Specification / Normas o Especi Pl. SL ED46 | flicaciones; | | | Steel Grade / Grado de B/X42-L245/L290 PSI | | 5 : | NOI | /Extremos: LMAL BEVEL LADO NORMAL |
| | Schedule / Cédula: | Length / Longitud: | | Quantity / Cantidad: 12 | 2 Pcs/ | pz | | nal Weight / Peso Nominal: |
| 00 X 0.375 INCH 8 X 9.52 MM | 120 | 26.20 / 38.70 FT 8.00 / 11.80 MTS | | 438.353 FT 133.610 MTS | | 36,757.864 LB 16,673.000 KG | 1 | 'LB/FT 12 KG/M |
| | | CHEMICA | L COMPOSITI | ION / COMPO | OSI | CIÓN QUÍMICA | | |
| Heat / Colada | Max: N | laximum / Máximo | | Min: Minimum / | Minin | no | P: | Product / Producto |
| | | SUPER | FICIAL HARDI | VESS / DUREZ | ZA (| SUPERFICIAL | | |
| Heat N° Sample N° | External / Externa | | | | | | | |
| olada N° Muestra N° Ls Sc | Scale / Escala: HRB Req. Min: Req. Ma | 3 | | | | | | |
| 903265 L7669/C B AM | 77 | | | | | | | |
| VI: As manufactured / Según proceso de | fabricación 8: Bod | y / Cuerpo | | Ls: Location of s | ample | / Ubicación de la muestra | Sc: | Specimen condition / Condición de la probeta |
| 4 4 4 4 4 5 | | FLATTE | NING TEST / E | NSAYO DE A | (PL | ASTAMIENTO | | |
| andard / Norma: | | | | | | | | |
| Heat N° Sample N° Zone Sc colada N° Muestra N° Zona | Result Resultado | | | | | | | |
| 903265 17668 E1 AM | Good/Bueno | | | | | | | |
| M: As manufactured / Según proceso de | fabricación E1 / E | 2: Ends of Sampling / E | xtremos de Muestra | Sc: Specimen co | onditio | n / Condición de la probeta | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| is certificate is issued by a computerized system (enaits" is stamped. In case the owner of the orig contrinself the responsibility for any unlawful or r | jinal certificate would release a co | py of it, he must attest its co | informity to the original one tak | ding Tenaris color ve | rde, En i | | do entregue una o | firma electrónica. El certificado original posee impreso el logo pia, deberá garantizar la conformidad con el original haciendose ación estará suesta a la ley. |



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| INSPECTION CERTIFICATE 3.1 | Number / Número: | Page / Página: |
|--|--------------------------|----------------|
| CERTIFICADO DE INSPECCIÓN 3.1 | 21023661 | 3/4 |
| (EN 10204 3.1:2004-ISO 10474 3.1:2013) | Date / Dia: May 17, 2021 | |

| | | | · | | • • | |
|---|-----------------------|-----------------------|---------------------------|---------------------------|--|--|
| Customer / Cliente: TUBERIA Y VALV | VULAS DEL NORTE, S.A. | DE C.V. | Customer's Order Item / (| Orden Cliente - Item: (| Eustomer's Reference / Ref. del Cliente: | Manufacturer's Works Order Nº / Confirmación de Venta: |
| | | | OC848 ITEM 1 | 1 | N/A | 288738/01 |
| Manufacturing Process / Proceso de Manu | ıfactura: | Product Type / Tipo d | e Producto: | | | Surface / Superficie: |
| SEAMLESS HOT ROLLED | | SEAMLESS LINE I | PIPE | | | VARNISHED |
| LAMINADO EN CALIENTE SIN C | COSTURA | CONDUCCION | | | | BARNIZADO |
| Standard or Specification / Normas o Espe | cificaciones: | | | Steel Grade / Grado de a | Kero: | Ends / Extremos: |
| API SLED46 | | | | B/X42-L245/L290 PSL1 | | NORMAL BEVEL |
| | | | | | | BISELADO NORMAL |
| Dimensions / Dimensiones: | Schedule / Cédula: | Length / Longitud: | | Quantity / Cantidad: 12 I | cs/pz | Nominal Weight / Peso Nominal: |
| 20.00 X 0.375 INCH | 020 | 26.20 / 38.70 FT | | 438.353 FT | 36,757.864 LB | 78.67 LB/FT |
| 508 X 9.52 MM | | 8.00 / 11.80 MTS | | 133.610 MTS | 16,673.000 KG | 117.02 KG/M |

HYDROSTATIC TEST / PRUEBA HIDRÁULICA

| Pressure | / Presión | Time / Tiempo | Results / Resultado |
|----------------|---------------|--------------------|------------------------------|
| Unit / Unided. | Value / Valor | Seconds / Segundos | |
| nipa | 9,9 | 5 | Satisfactory / Satisfactorio |

SUPPLEMENTARY INFORMATION / INFORMACION SUPLEMENTARIA

| Supplementary Information Información Suplementaria | Supplementary Information Información Suplementaria |
|--|---|
| MANUFACTURED BY TENARIS DALMINE | Continuous casting and Fully killed |
| FANDARDEDITIONS | This certificate has been replaced by the certificate n.20/11552 |
| tanda nd: API SL Year 2018 Revision 46^ Revision year | AFTER INSPECTION OPERATION, THE MATERIAL HAS NOT A RESIDUAL MAGNETISM |
| tandard:ASTM A 53 Year:2018 | GREATER THAN 20 GAUSS |
| tandard:ASMESA 53 Year:2019 | HARDNESSHRC 22 MAX, ACCORDING TO NACE MRD175/ISO 15156 |
| randard:ASTM A 106 Year:2019 | MATERIAL ACCORDING TO ASME B 36.10 |
| andard:ASME 5A 106 Year: 2019 | ALL PIPES HAVE BEEN HOT FINISHED IN THE TEMPERATURE RANGE FROM |
| andard:NACE MR0175/ISO 15156 Year:2015 | 845°CTO950°C FOLLOWINGBY COOLING INSTILL AIR |
| RODUCT DESCRIPTION NOTES | SEAMLESS FOT FINISHED PIPES |
| on: Listhe full description of the Standard or specification' | VISUAL AND DIMENSIONAL CONTROL HAS BEEN CARRIED OUT WITH SATISFACTORY RESULT |
| CC. TO THE NORM APISL PSL1 46TH FD., ASTM/ASME 106, ASTM/ASME 53, NACEMR0175/ISO 15156 | STEEL IS FULLY KILLED AND PRODUCED BY ELECTRIC FURNACE TO A FINE GRAIN PRACTICE |
| WTTH API TOLERANCES) | THE PRODUCT SUPPLIED IS IN COMPLIANCE WITH THE REQUIREMENTS OF THE ORDER. |
| late 2 is the full description of the Steel grade' | NO WELD REPAIR, MERCURY AND RADIATION FREE |
| TBELGR: X42 PSL1, GR.B PSL1, GR.B ASTM ASME A/SA 106, A/SA 53 | AS PER STANDARD, PIPES CAN BE REPAIRED; MANUFACTURER SHOULD DECIDE TO GRIND THE |
| Country of meli TTALY | SURFACE OF THE PIPES WHEN, DURING FINAL VISUAL INSPECTION, SOME IMPER FECTIONS |

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| INSPECTION CERTIFICATE 3.1 | Number / Número: | Page / Página: |
|--|--------------------------|----------------|
| CERTIFICADO DE INSPECCIÓN 3.1 | 21023661 | 4/4 |
| (EN 10204 3.1:2004-ISO 10474 3.1:2013) | Date / Día: May 17, 2021 | |

| Customer / Cliente: TUBERIA Y VALVULAS DEL NORTE, S.A. DE C.V. Customer / Cliente - Item: OC848 ITEM 1 Manufacturing Process / Proceso de Manufactura: SEAMLESS HOT ROLLED LAMINADO EN CALIENTE SIN COSTURA CONDUCCION Standard or Specification / Normas o Especificaciones: API SL ED46 CUstomer's Reference / Ref. del Cliente: N/A Sufface / Superficie: VARNISHED BARNIZADO BARNIZADO Stell Grade / Grado de acero: B/X42-L245/L290 PSL1 BISELADO NORMAL BISELADO NORMAL | | (****** | 0 | | | 1 | |
|---|---|-----------------------|---|-------------------------|-------------------------|--|--|
| Manufacturing Process / Proceso de Manufactura: SEAMLESS HOT ROLLED LAMINADO EN CALIENTE SIN COSTURA CONDUCCION Standard or Specification / Normas o Especificaciones: API SL ED46 BY A2-L245/L290 PSL1 BISELADO NORMAL | Customer / Cliente: TUBERIA Y VALV | VULAS DEL NORTE, S.A. | DE C.V. | Customer's Order Item / | Orden Cliente - Item: | Customer's Reference / Ref. del Cliente: | Manufacturer's Works Order N* / Confirmación de Venta: |
| SEAMLESS HOT ROLLED LAMINADO EN CALIENTE SIN COSTURA CONDUCCION Standard or Specification / Normas o Especificaciones: API SL ED46 SEAMLESS LINE PIPE VARNISHED BARNIZADO Steel Grade / Grado de acero: B/X42-L245/L290 PSL1 NORMAL BEVEL BISELADO NORMAL | | | | OC848 ITEM 1 | | N/A | |
| LAMINADO EN CALIENTE SIN COSTURA CONDUCCION Standard or Specificaciones: API SL ED46 Steel Grade / Grado de acero: B/X42-L245/L290 PSL1 BISELADO NORMAL BEVEL BISELADO NORMAL | Manufacturing Process / Proceso de Manu | ifactura: | Product Type / Tipo d | e Producto: | | | Surface / Superficie: |
| Stendard or Specification / Normas o Especificaciones: API SL ED46 Stendard or Specificaciones: B/X42-L245/L290 PSL1 BISELADO NORMAL BISELADO NORMAL | SEAMLESS HOT ROLLED | | SEAMLESS LINE I | TPE | | | VARNISHED |
| API SL ED46 B/X42-L245/L290 PSL1 NORMAL BEVEL BISELADO NORMAL | LAMINADO EN CALIENTE SIN C | OSTURA | CONDUCCION | | | | BARNIZADO |
| BISELADO NORMAL | Standard or Specification / Normas o Espe | cificaciones: | *************************************** | | Steel Grade / Grado de | acero: | Ends / Extremos: |
| | API SL ED46 | | | | B/X42-L245/L290 PSL | l | NORMAL BEVEL |
| The standard Market Date Alexander | | | | | | | BISELADO NORMAL |
| Dimensions / Dimensiones: Schedule / Cédula: Length / Longitud: Quantity / Cantidad: 1.2 Pcs/pz INOminiar Vieignt / Peso Nominiar | Dimensions / Dimensiones: | Schedule / Cédula: | Length / Longitud: | | Quantity / Cantidad: 12 | Pcs/pz | Nominal Weight / Peso Nominal: |
| 20.00 X 0.375 INCH | 20.00 X 0.375 INCH | 020 | 26.20 / 38.70 FT | | 438.353 FT | 36,757.864 LB | 78.67 LB/FT |
| 508 X 9.52 MM 8.00 / 11.80 MTS 133.610 MTS 16,673.000 KG 117.02 KG/M | 508 X 9.52 MM | | 8.00 / 11.80 MTS | | 133.610 MTS | 16,673.000 KG | 117.02 KG/M |

SUPPLEMENTARY INFORMATION / INFORMACION SUPLEMENTARIA Supplementary information Información Suplementary information Información Suplementaria ARE DETECTED. THE RESULTED SURFACE AREAS, AFTER GRINNING, HAS DIFFERENT COLORATION COMPARED WITH USUAL ONE AS MANUFACTURED. THE RESIDUAL WALL THICKNESS Supplementary información Suplementaria AFTER GRINDING HAS REEN CHECKED RESULTING IN TOLERANCE WITH STANDARD. TAMSA REF: 740682

The product certified herein has been manufactured, sampled, tested and inspected in accordance with the stated specifications and has been found to meet the requirements.

This certificate is not a declaration of origin nor may it be used as a declaration of origin.

CUSTOMER. IHIRD PARTY

El material certificado aquí ha sido fabricado, muestreado, ensayado e inspeccionado de acuerdo con las especificaciones establecidas y ha sido encontrado en conformidad con los requisitos.

Este certificado no es, ni puede ser usado, como declaración de declaración de origin.

IENARIS OUALITY DEPARTMENT SIGNATURE

CUSTOMER, THIRD PARTY

INSPECTION COMPANY
COMPAÑA DE INSPECCION

Company Name: N/A
Employee Name: N/A

QUALITY CERTIFICATION DEFT.

DEPTO. DE CERTIFICACIÓN DE CALIDAD

Edmundo Alejandro Rascón Sarmiento

CHIEF OF QUALITY CERTIFICATION DEPT.
RESPONSABLE DEL DEPTO. DE CERTIFICACIÓN DE CALIDAD
Angel César Alemán Gil

This certificate is issued by a computerized system and it is valid with electronic signature. On the original certificate the trade-mark green colored "Terens" 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 upporhiment fifther responsibility for any unlawfull or not allowed use. Any alteration which is subjected to the law.

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