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| MILL TEST CERTIFICATE | Number / Número | Page / Página: |
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| | Date / Día: Jan 14, 2015 | |

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| Customer / Cliente: PLESA ANAHUAC Y 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 221283/01 |
| Manufacture Process / Proceso de fabricación. SEAMLESS HOT ROLLED LAMINADO EN CALIENTE SIN COSTURA | | Product Type / Tipo de producto. LINE PIPE SEAMLESS CONDUCCION | | Surface / Superficie. VARNISHED BARNIZADO |
| Standard or Specification / Normas o especificaciones. API 5L ED45 | | Steel Grade / Grado de acero. B/X42-L245/L290 PSL1 | Ends / Extremos. PLAIN END LISO CORTE RECTO | |
| Dimensions / Dimensiones. 1.90 X 0.145 INCH 48.30 X 3.70 MM | Schedule / Cédula 040 | Length / Longitud. 19.70 / 21.30 FT 6.00 / 6.50 MTS | Quantity / Cantidad. 58 Pcs/pz | Nominal Weight / Peso Nominal 2.72 LB/FT 4.07 KG/M |

TENSILE TEST / ENSAYOS DE TENSIÓN

| Heat N° Colada N° | Sample N° Muestra N° | Specimen condition Condición de la probeta | | | | Specimen dimensions Dimensiones de la probeta | | Test temp Temp. de ensayo | Y.S. | U.T.S. | Y.S. / U.T.S. | Elongation Alargamiento |
|----------------------|-------------------------|---|--------------|-----|----------------|--|---------------|--|--|--------------|-------------------------------------|----------------------------|
| | | Ls | Type Tipo | Ori | Size Tamaño | Area Sección | Unit / Unidad | | Unit / Unidad | | | |
| | | | | | | | KG/MM2 | | KG/MM2 | | | |
| | | | | | mm | mm2 | °C | Required/Requerido TMin: TMax: LMin: LMax: | Required/Requerido TMin: TMax: LMin: LMax: | Req. Max. | % in 2 inches Min.: Obt. % | |
| 743405 | A7806/L | B | Ss | L | 12.58 X 3.88 | 49.50 | RT | 35.0 | 53.8 | 0.65 | 31.00 | |

| | | | |
|--|--|--|---|
| Ls: Location of the sample / Localización de la muestra L: Longitudinal / Longitudinal Req. Max: Maximum Required / Máximo Requerido LMax: Longitudinal Maximum / Máximo Longitudinal | B: Body / Cuerpo RT: Room Temperature / Temperatura Ambiente Obt: Obtained / Obtenido TMin: Transverse Minimum / Mínimo Transversal | Ss: 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° Colada N° | Sample N° Muestra N° | Bend Test Ensayo de Curvado |
|----------------------|-------------------------|--------------------------------|
| 743405 | A7806/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.

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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CHEMICAL COMPOSITION / COMPOSICIÓN QUÍMICA

| | | Composition % / Composición % | | | | | | | | | | | |
|-------------|-------|-------------------------------|----|----|----|----|--------|----|-----|---|-----|----|----|
| | | C | Mn | Si | Cr | Mo | S | P | Ni | V | Cu | Nb | Ti |
| | | X 100 | | | | | X 1000 | | | | | | |
| Heat Colada | H Max | | | | | | | | | | | | |
| | Min | | | | | | | | | | | | |
| Sample N° | P Max | | | | | | | | | | | | |
| Muestra N° | Min | | | | | | | | | | | | |
| 743405 | H | 17 | 90 | 26 | 8 | 5 | 5 | 10 | 150 | 2 | 140 | 1 | 2 |
| A7806/L | P | 17 | 88 | 28 | 8 | 4 | 5 | 11 | 160 | 2 | 150 | 1 | 1 |
| A7807/L | P | 17 | 88 | 28 | 8 | 4 | 5 | 11 | 160 | 2 | 150 | 1 | 1 |

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

SUPPLEMENTARY INFORMATION / INFORMACIÓN SUPLEMENTARIA

MANUFACTURED BY TENARIS SILCOTUB
 Standard: API 5L Year: 2012 Revision: Edj Revision year: 45th
 Standard: ASTM A 53-12 Year: 2012
 Standard: ASTM A 106 Year: 2013
 Standard: ASME SA 53 Year: 2013
 Standard: ASME SA 106 Year: 2013
 Standard: NACE MR0175 Year: 2003
 NONDESTRUCTIVE TEST (EDDY CURRENT) ACC. TO ASTM E 309, HOLE DIAMETER 1.4 MM MAX. WITHOUT OBJECTIONS
 NONDESTRUCTIVE TEST - EMI ACC. TO ASTM E 570: WITHOUT OBJECTIONS
 AFTER EMI INSPECTION, UNTESTED ENDS HAVE BEEN CUT OFF
 MATERIAL ACC. TO ASME/ASME II PART D TAB Y1

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SUPPLEMENTARY INFORMATION / INFORMACIÓN SUPLEMENTARIA

MATERIAL ACCORDING TO NACE MR 01-75
 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.
 THROUGH WALL HARDNESS (Max: 235.0):
 HEAT SAMPLE SC LS SCALE VAL1 VAL2 VAL3
 743405 A7806/L AM B HBW 151.0 150.0 150.0
 SC: SPECIMEN CONDITION
 AM: AS MANUFACTURED
 VAL: VALUE
 LS: LOCATION OF SAMPLE
 B: BODY
 HYDROSTATIC TEST: MPA 20.5 (5 SECONDS): SATISFACTORY
 TAMSA REF: 586133

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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 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. | | |
| | | TENARIS QUALITY DEPARTMENT SIGNATURE | | |
| | |  QUALITY CERTIFICATION DEPT. DEPTO. DE CERTIFICACIÓN DE CALIDAD MARTHA ISABEL ALFONSECA CHORA | |  CHIEF OF QUALITY CERTIFICATION DEPT. RESPONSABLE DEL DEPTO. DE CERTIFICACIÓN DE CALIDAD Rafael Gutiérrez De Velasco Magallanes |

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