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| MILL TEST CERTIFICATE | Number / Número | Page / Página: |
| | 11012769 | 1 / 5 |
| | Date / Día: Jan 28, 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 155927/02 |
| 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. ASME SA106/01, ASME SA53/01, NACE MR0175/LATEST EDITION | | API 5L ED43/2004, ASTM A106/2006, ASTM A53/2005, | Steel Grade / Grado de acero. B/X42 PSL1 | Ends / Extremos. PLAIN END LISO CORTE RECTO |
| Dimensions / Dimensiones. 1.32 X 0.133 INCH 33.40 X 3.40 MM | Schedule / Cédula 040 | Length / Longitud. 39.40 / 41.00 FT 12.00 / 12.50 MTS | Quantity / Cantidad. 77 Pcs/pz 3,081.988 FT 5,242.620 LB 939.390 MTS 2,378.000 KG | Nominal Weight / Peso Nominal 1.68 LB/FT 2.52 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. | Elongation Alargamiento |
|----------------------|-------------------------|---|--------------|-----|----------------|--|----|------------------------------|--------------------|---------------|--------------|----------------------------|
| | | Ls | Type Tipo | Ori | Size Tamaño | mm | °C | | Unit / Unidad | Unit / Unidad | Req. Max. | |
| | | | | | | | | | KG/MM2 | KG/MM2 | | |
| | | | | | | | | Required/Requerido | Required/Requerido | | Min.: | |
| | | | | | | | | TMin: | TMin: | | Obt. | |
| | | | | | | | | TMax: | TMax: | | % | |
| | | | | | | | | LMin: | LMin: | | | |
| | | | | | | | | LMax: | LMax: | | | |
| 49920 | 574831 | B | Ss | L | 33.40 X 3.40 | | RT | 32.7 | 53.4 | 0.61 | 45.20 | |
| 49920 | 574832 | B | Ss | L | 33.40 X 3.40 | | RT | 32.5 | 53.1 | 0.61 | 45.20 | |
| 49920 | 574833 | B | Ss | L | 33.40 X 3.40 | | RT | 32.2 | 53.0 | 0.61 | 44.90 | |
| 49920 | 574834 | B | Ss | L | 33.40 X 3.40 | | RT | 32.3 | 52.9 | 0.61 | 44.90 | |
| 49920 | 574835 | B | Ss | L | 33.40 X 3.40 | | RT | 32.4 | 52.9 | 0.61 | 45.00 | |
| 49920 | 574836 | B | Ss | L | 33.40 X 3.40 | | RT | 32.5 | 53.2 | 0.61 | 45.10 | |
| 49921 | 574897 | B | Ss | L | 33.40 X 3.40 | | RT | 37.6 | 54.4 | 0.69 | 45.70 | |
| 49921 | 574898 | B | Ss | L | 33.40 X 3.40 | | RT | 36.0 | 54.1 | 0.66 | 40.80 | |
| 49921 | 574899 | B | Ss | L | 33.40 X 3.40 | | RT | 36.4 | 54.8 | 0.66 | 46.50 | |

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

| Heat N° Colada N° | Sample N° Muestra N° | Ls | External / Externa | |
|----------------------|-------------------------|----|----------------------------|-----------------|
| | | | Unit / Unidad: Req.Min: | BHN Req.Max: |
| 49920 | 574831 | B | | 135 |
| 49920 | 574832 | B | | 135 |
| 49920 | 574833 | B | | 135 |
| 49920 | 574834 | B | | 133 |
| 49920 | 574835 | B | | 133 |
| 49920 | 574836 | B | | 134 |
| 49921 | 574897 | B | | 137 |
| 49921 | 574898 | B | | 138 |
| 49921 | 574899 | B | | 138 |

Ls: Location of the sample / Localización de la muestra B: Body / Cuerpo Req: Required / Requerido Min: Minimum / Mínimo
 Max: Maximum / Máximo

TECHNOLOGICAL TEST / ENSAYOS TECNOLÓGICOS

| Heat N° Colada N° | Sample N° Muestra N° | Bend Test Ensayo de Curvado |
|----------------------|-------------------------|--------------------------------|
| 49920 | 574831 | GOOD/BUENO |
| 49920 | 574832 | GOOD/BUENO |
| 49920 | 574833 | GOOD/BUENO |
| 49920 | 574834 | GOOD/BUENO |
| 49920 | 574835 | GOOD/BUENO |

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| Heat N° Colada N° | Sample N° Muestra N° | Bend Test Ensayo de Curvado |
|----------------------|-------------------------|--------------------------------|
| 49920 | 574836 | GOOD/BUENO |
| 49921 | 574897 | GOOD/BUENO |
| 49921 | 574898 | GOOD/BUENO |
| 49921 | 574899 | GOOD/BUENO |

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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 Colada | H Max Min | | | | | | | | | | | | | | | | | | |
| Sample N° Muestra N° | P Max Min | | | | | | | | | | | | | | | | | | |
| 49920 | | | | | | | | | | | | | | | | | | | |
| 574831 | P | 16 | 108 | 27 | 4 | 2 | 2.4 | 9 | 20 | 2 | 50 | 33 | 7 | 3 | 1 | 4 | 21 | 1 | 31 |
| 574831 | P | 16 | 108 | 26 | 4 | 2 | 2.2 | 10 | 20 | 1 | 47 | 28 | 6 | 2 | 2 | 4 | 21 | 1 | 32 |
| 574832 | P | 16 | 109 | 26 | 4 | 2 | 2 | 10 | 20 | 1 | 47 | 33 | 6 | 2 | 2 | 4 | 22 | 1 | 33 |
| 574832 | P | 16 | 108 | 27 | 4 | 2 | 2.2 | 10 | 21 | 1 | 50 | 31 | 6 | 2 | 1 | 4 | 20 | 1 | 33 |
| 574833 | P | 17 | 111 | 26 | 4 | 2 | 2.5 | 10 | 21 | 1 | 48 | 31 | 6 | 2 | 3 | 4 | 21 | 1 | 32 |
| 574833 | P | 15 | 111 | 26 | 4 | 2 | 2.4 | 10 | 20 | 1 | 48 | 29 | 7 | 2 | 1 | 4 | 19 | 1 | 32 |

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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 Colada | H | Max | Min | | | | | | | | | | | | | | | | |
| | P | Max | Min | | | | | | | | | | | | | | | | |
| Sample N° Muestra N° | P | Max | Min | | | | | | | | | | | | | | | | |
| 574834 | P | 15 | 111 | 27 | 4 | 2 | 2.4 | 9 | 20 | 1 | 48 | 32 | 7 | 2 | 2 | 4 | 21 | 1 | 32 |
| 574834 | P | 16 | 111 | 26 | 4 | 2 | 2.2 | 10 | 20 | 1 | 47 | 29 | 7 | 2 | 3 | 4 | 21 | 1 | 25 |
| 574835 | P | 17 | 111 | 28 | 4 | 3 | 2.3 | 7 | 20 | 2 | 52 | 34 | 8 | 3 | 2 | 5 | 22 | 1 | 32 |
| 574835 | P | 16 | 111 | 26 | 4 | 2 | 2.4 | 10 | 21 | 1 | 47 | 29 | 7 | 2 | 3 | 4 | 21 | 1 | 32 |
| 574836 | P | 16 | 111 | 26 | 4 | 2 | 2.2 | 10 | 20 | 1 | 47 | 31 | 6 | 2 | 3 | 4 | 22 | 1 | 32 |
| 574836 | P | 15 | 111 | 26 | 4 | 2 | 2.5 | 10 | 20 | 1 | 47 | 29 | 6 | 2 | 2 | 4 | 21 | 1 | 32 |
| 49921 | | | | | | | | | | | | | | | | | | | |
| 574897 | P | 17 | 110 | 26 | 4 | 2 | 1.7 | 10 | 21 | 1 | 42 | 32 | 6 | 2 | 2 | 4 | 18 | 1 | 40 |
| 574898 | P | 16 | 109 | 26 | 4 | 2 | 2.4 | 12 | 20 | 1 | 41 | 32 | 6 | 2 | 2 | 3 | 17 | 1 | 38 |
| 574899 | P | 16 | 110 | 26 | 4 | 2 | 1.7 | 12 | 21 | 1 | 40 | 34 | 5 | 2 | 2 | 4 | 19 | 1 | 40 |

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

SUPPLEMENTARY INFORMATION / INFORMACIÓN SUPLEMENTARIA

FABRICADO POR SIDERCA
 LA PRÁCTICA DE AFINO EN EL HORNO - CUCHARA INCLUYE UNA INYECCIÓN FINAL DE UNA VARILLA DE SILICIURO DE CALCIO PARA OBTENER UNA FORMA GLOBULAR DE EVENTUALES MICROINCLUSIONES.
 MATERIAL LIBRE DE CONTAMINACIÓN DE MERCURIO.

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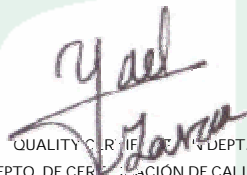

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| | | | | Nominal Weight / Peso Nominal 1.68 LB/FT 2.52 KG/M |

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FABRICACIÓN DE TUBO: LAMINADO EN CALIENTE Y SIN COSTURA.
 CONTROL VISUAL Y DIMENSIONAL: SATISFACTORIO.
 NO REPARADO POR SOLDADURA.
 LA DUREZA CUMPLE CON LA NORMA NACE MR 01-75 ULTIMA EDICION.
 EDICION DE LA NORMA : ASME SA 106/01.
 EDICION DE LA NORMA : ASME SA 53/01 Addendum 2003.
 EDICION DE LA NORMA: API 5L, 43° Edition 2004.
 EDICION DE LA NORMA : ASTM A106/A106M/2006.
 EDICION DE LA NORMA: ASTM A53/2005
 TRATAMIENTO TERMICO: DIRECTO DE LAMINACION.
 CONTROL NO DESTRUTIVO (C.N.D.): SATISFACTORIO.
 METODO DE INSPECCION: E.M.I. LONG. "FULL LENGTH" (EXT.) NOTCH 12.5%
 PRESION DE PRUEBA HIDRAULICA: 3000 PSI, 5 SEG
 THIS CERTIFICATE CANCELS AND REPLACES THE ONE DATED March 28, 2011, WITH THE SAME NUMBER
 TAMSA REF: 112363

| | |
|--|---|
| 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. |
| TENARIS QUALITY DEPARTMENT SIGNATURE | |
|  QUALITY CERTIFICATION DEPT. DEPTO. DE CERTIFICACIÓN DE CALIDAD YAEL GARCIA HERNANDEZ |  CHIEF OF QUALITY CERTIFICATION DEPT. RESPONSABLE DEL DEPTO. DE CERTIFICACIÓN DE CALIDAD Rafael Gutiérrez De Velasco Magallanes |

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