



**INSPECTION CERTIFICATE 3.2**  
*CERTIFICADO DE INSPECCIÓN 3.2*  
(EN 10204 3.2:2004-ISO 10474 3.2:2013)

Number / Número:

**22047554**

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Date / Día: **July 09, 2022**

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

|                                                                                                                          |  |                                      |                                                                                                |                                                           |                                                                                        |  |                                                                            |                                                                                                    |  |                                         |
|--------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--|-----------------------------------------|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                        |  |                                      | Customer's Order Item / Orden Cliente - Item:<br><b>212-00794-01 R1 ITEM 1</b>                 |                                                           | Customer's Reference / Ref. del Cliente:<br><b>N/A</b>                                 |  | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b> |                                                                                                    |  |                                         |
| Manufacturing Process / Proceso de Manufactura:<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 SIN COSTURA</b> |                                                           |                                                                                        |  |                                                                            | Surface / Superficie:<br><b>See supplementary information.</b><br><b>Ver notas suplementarias.</b> |  |                                         |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>                |  |                                      |                                                                                                | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b> |                                                                                        |  |                                                                            | Ends / Extremos:<br><b>NORMAL BEVEL</b><br><b>BISELADO NORMAL</b>                                  |  |                                         |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH</b><br><b>219.1 X 15.1 MM</b>                                         |  | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT</b><br><b>12.10 / 12.70 MTS</b>                      |                                                           | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT</b><br><b>17845.081 MTS</b> |  |                                                                            | Nominal Weight / Peso Nominal:<br><b>2975857.158 LB</b><br><b>1349825.000 KG</b>                   |  | <b>51.00 LB/FT</b><br><b>75.92 KG/M</b> |

**TENSILE TEST / ENSAYO 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. ensayo | Y.S.                       | U.T.S.            | Y.S./U.T.S. | Elongation / Alargamiento |      |                             |
|----------------------|-------------------------|-----------------------------------------------|----|--------------|-----|--------------------------------------------------|-----------------|---------------------------|----------------------------|-------------------|-------------|---------------------------|------|-----------------------------|
|                      |                         | Ls                                            | Sc | Type<br>Tipo | Ori | Size<br>Tamaño                                   | Area<br>Sección |                           | Req.                       | Req. Max.<br>0.93 | Lo          | Min.                      | Obt. |                             |
|                      |                         |                                               |    |              |     |                                                  |                 |                           | Min: 60 200<br>Max: 81 900 |                   |             |                           |      | Min: 75 400<br>Max: 110 200 |
|                      |                         |                                               |    |              |     |                                                  |                 |                           | psi                        |                   |             |                           |      | psi                         |
| 42684                | 54473                   | B                                             | AM | Ss           | L   | 38.38 X 15.42                                    | 595.4           | RT                        | 71 371                     | 82 735            | 0.86        | 2                         | 25.1 | 44.0                        |
| 42684                | 54490                   | B                                             | AM | Ss           | L   | 38.09 X 14.86                                    | 569.4           | RT                        | 71 058                     | 83 048            | 0.86        | 2                         | 24.8 | 41.0                        |
| 42684                | 73958                   | B                                             | AM | Ss           | L   | 38.11 X 15.47                                    | 593.0           | RT                        | 72 552                     | 84 172            | 0.86        | 2                         | 25.0 | 44.0                        |
| 42685                | 54366                   | B                                             | AM | Ss           | L   | 38.37 X 14.57                                    | 562.4           | RT                        | 74 799                     | 85 352            | 0.88        | 2                         | 24.8 | 41.0                        |
| 42685                | 54472                   | B                                             | AM | Ss           | L   | 38.14 X 14.69                                    | 563.5           | RT                        | 73 248                     | 82 650            | 0.89        | 2                         | 24.8 | 43.0                        |
| 42686                | 73852                   | B                                             | AM | Ss           | L   | 38.12 X 15.50                                    | 594.5           | RT                        | 71 328                     | 82 678            | 0.86        | 2                         | 25.1 | 42.0                        |
| 42686                | 73860                   | B                                             | AM | Ss           | L   | 38.1 X 15.14                                     | 580.2           | RT                        | 71 115                     | 82 565            | 0.86        | 2                         | 24.9 | 42.0                        |
| 42687                | 73822                   | B                                             | AM | Ss           | L   | 38.13 X 14.88                                    | 570.7           | RT                        | 70 148                     | 81 498            | 0.86        | 2                         | 24.8 | 42.0                        |
| 42687                | 73841                   | B                                             | AM | Ss           | L   | 38.17 X 14.65                                    | 562.7           | RT                        | 71 243                     | 82 678            | 0.86        | 2                         | 24.8 | 43.0                        |
| 42688                | 73881                   | B                                             | AM | Ss           | L   | 38.15 X 14.93                                    | 572.9           | RT                        | 72 352                     | 82 351            | 0.88        | 2                         | 24.9 | 43.0                        |
| 42688                | 73957                   | B                                             | AM | Ss           | L   | 38.45 X 15.10                                    | 584.0           | RT                        | 69 110                     | 80 374            | 0.86        | 2                         | 24.9 | 43.0                        |
| 42689                | 54491                   | B                                             | AM | Ss           | L   | 38.15 X 15.03                                    | 576.6           | RT                        | 72 708                     | 83 688            | 0.87        | 2                         | 24.9 | 43.0                        |
| 42689                | 54499                   | B                                             | AM | Ss           | L   | 38.3 X 14.87                                     | 572.9           | RT                        | 71 001                     | 82 650            | 0.86        | 2                         | 24.9 | 41.0                        |
| 42690                | 54500                   | B                                             | AM | Ss           | L   | 38.24 X 15.00                                    | 577.0           | RT                        | 70 759                     | 81 156            | 0.87        | 2                         | 24.9 | 43.0                        |
| 42690                | 54550                   | B                                             | AM | Ss           | L   | 38.42 X 14.52                                    | 561.2           | RT                        | 69 792                     | 80 090            | 0.87        | 2                         | 24.8 | 43.0                        |
| 42691                | 51837                   | B                                             | AM | Ss           | L   | 38.06 X 14.96                                    | 572.9           | RT                        | 69 152                     | 80 403            | 0.86        | 2                         | 24.9 | 44.0                        |
| 42691                | 54551                   | B                                             | AM | Ss           | L   | 38.15 X 15.34                                    | 588.7           | RT                        | 70 703                     | 81 398            | 0.87        | 2                         | 25.0 | 41.0                        |
| 42691                | 54588                   | B                                             | AM | Ss           | L   | 38.24 X 15.00                                    | 577.0           | RT                        | 71 257                     | 82 237            | 0.87        | 2                         | 24.9 | 45.0                        |
| 42692                | 74414                   | B                                             | AM | Ss           | L   | 38.14 X 14.67                                    | 562.9           | RT                        | 74 856                     | 84 812            | 0.88        | 2                         | 24.8 | 43.0                        |
| 42692                | 74485                   | B                                             | AM | Ss           | L   | 38.09 X 15.70                                    | 601.7           | RT                        | 74 059                     | 85 537            | 0.87        | 2                         | 25.1 | 43.0                        |

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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| Manufacturing Process / Proceso de Manufactura:<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 SIN COSTURA</b> |                                                                                                                                    |                                                        | Surface / Superficie:<br><b>See supplementary information.</b><br><b>Ver notas suplementarias.</b> |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>                |                                      |                                                                                                | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                                                                          |                                                        | Ends / Extremos:<br><b>NORMAL BEVEL</b><br><b>BISELADO NORMAL</b>                                  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH</b><br><b>219.1 X 15.1 MM</b>                                         | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT</b><br><b>12.10 / 12.70 MTS</b>                      | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT</b> <b>2975857.158 LB</b><br><b>17845.081 MTS</b> <b>1349825.000 KG</b> |                                                        | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT</b><br><b>75.92 KG/M</b>                          |

**TENSILE TEST / ENSAYO 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. ensayo  | Y.S.                        | U.T.S.            | Y.S./U.T.S | Elongation / Alargamiento |      |      |
|----------------------|-------------------------|-----------------------------------------------|----|--------------|-----|--------------------------------------------------|-----------------|----------------------------|-----------------------------|-------------------|------------|---------------------------|------|------|
|                      |                         | Ls                                            | Sc | Type<br>Tipo | Ori | Size<br>Tamaño                                   | Area<br>Sección |                            | Req.                        | Req. Max.<br>0.93 | Lo         | Min.                      | Ob   |      |
|                      |                         |                                               |    |              |     |                                                  |                 | Min: 60 200<br>Max: 81 900 | Min: 75 400<br>Max: 110 200 |                   |            |                           |      |      |
|                      |                         |                                               |    |              |     | mm                                               | mm2             | °C                         | psi                         |                   |            |                           |      | psi  |
| 42693                | 51830                   | B                                             | AM | Ss           | L   | 38.16 X 15.73                                    | 603.9           | RT                         | 69 934                      | 81 341            | 0.86       | 2                         | 25.1 | 44.0 |
| 42693                | 54351                   | B                                             | AM | Ss           | L   | 38.12 X 15.33                                    | 588.0           | RT                         | 72 552                      | 82 394            | 0.88       | 2                         | 25.0 | 43.0 |
| 42693                | 74375                   | B                                             | AM | Ss           | L   | 38.11 X 15.10                                    | 579.0           | RT                         | 72 367                      | 82 124            | 0.88       | 2                         | 24.9 | 43.0 |
| 42694                | 73790                   | B                                             | AM | Ss           | L   | 38.14 X 14.72                                    | 564.8           | RT                         | 73 391                      | 84 741            | 0.87       | 2                         | 24.8 | 40.0 |
| 42694                | 73818                   | B                                             | AM | Ss           | L   | 38.08 X 16.15                                    | 618.8           | RT                         | 71 456                      | 81 242            | 0.88       | 2                         | 25.3 | 44.0 |
| 42695                | 74488                   | B                                             | AM | Ss           | L   | 38.14 X 14.72                                    | 564.9           | RT                         | 73 362                      | 84 712            | 0.87       | 2                         | 24.8 | 40.0 |
| 42695                | 74919                   | B                                             | AM | Ss           | L   | 38.06 X 15.37                                    | 588.5           | RT                         | 71 627                      | 81 853            | 0.88       | 2                         | 25.0 | 43.0 |
| 42696                | 54331                   | B                                             | AM | Ss           | L   | 38.48 X 15.07                                    | 583.4           | RT                         | 69 622                      | 80 787            | 0.86       | 2                         | 24.9 | 43.0 |
| 42696                | 54350                   | B                                             | AM | Ss           | L   | 38.08 X 15.34                                    | 587.8           | RT                         | 69 963                      | 82 124            | 0.85       | 2                         | 25.0 | 42.0 |
| 42696                | 73873                   | B                                             | AM | Ss           | L   | 38.12 X 15.06                                    | 577.6           | RT                         | 68 854                      | 80 332            | 0.86       | 2                         | 24.9 | 45.0 |

AM: As manufactured / Según proceso de fabricación

B: Body / Cuerpo

L: Longitudinal / Longitudinal

Lo: Initial length / Longitud inicial

Ls: Location of sample / Ubicación de la muestra

Max: Maximum / Máximo

Min: Minimum / Mínimo

Obt: Obtained / Obtenido

Ori: Orientation / Orientación

Req. Max: Required maximum / Máximo requerido

Req: Required / Requerido

RT: Room temperature / Temperatura ambiente

Sc: Specimen condition / Condición de la probeta

Ss: Strip specimen / Muestra rectangular

U.T.S: Ultimate tensile strength / Resistencia

Y.S: Yield strength / Fluencia

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|                                                                                                                    |  |                                      |  |                                                                                          |  |                                                                                                                |  |                                                                                              |  |  |  |                                                                            |  |  |  |
|--------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|--|------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------|--|--|--|----------------------------------------------------------------------------|--|--|--|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                  |  |                                      |  | Customer's Order Item / Orden Cliente - Item:<br><b>212-00794-01 R1 ITEM 1</b>           |  |                                                                                                                |  | Customer's Reference / Ref. del Cliente:<br><b>N/A</b>                                       |  |  |  | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b> |  |  |  |
| Manufacturing Process / Proceso de Manufactura:<br><b>SEAMLESS HOT ROLLED<br/>LAMINADO EN CALIENTE SIN COSTURA</b> |  |                                      |  | Product Type / Tipo de Producto:<br><b>SEAMLESS LINE PIPE<br/>CONDUCCION SIN COSTURA</b> |  |                                                                                                                |  | Surface / Superficie:<br><b>See supplementary information.<br/>Ver notas suplementarias.</b> |  |  |  |                                                                            |  |  |  |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>          |  |                                      |  | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                                |  |                                                                                                                |  | Ends / Extremos:<br><b>NORMAL BEVEL<br/>BISELADO NORMAL</b>                                  |  |  |  |                                                                            |  |  |  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH<br/>219.1 X 15.1 MM</b>                                         |  | Schedule / Cédula:<br><b>SCH 100</b> |  | Length / Longitud:<br><b>39.70 / 41.67 FT<br/>12.10 / 12.70 MTS</b>                      |  | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT 2975857.158 LB<br/>17845.081 MTS 1349825.000 KG</b> |  | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT<br/>75.92 KG/M</b>                          |  |  |  |                                                                            |  |  |  |

## CHEMICAL COMPOSITION / COMPOSICIÓN QUÍMICA

|                      |                         |       | Composition % / Composición % |     |    |    |    |        |     |    |    |     |     |    |    |    |    |         |    |     |       |     |        |        |
|----------------------|-------------------------|-------|-------------------------------|-----|----|----|----|--------|-----|----|----|-----|-----|----|----|----|----|---------|----|-----|-------|-----|--------|--------|
|                      |                         |       | X 100                         |     |    |    |    | X 1000 |     |    |    |     |     |    |    |    |    | X 10000 |    |     | X 100 |     |        |        |
|                      |                         |       | C                             | Mn  | Si | Mo | Cr | P      | S   | V  | Nb | Ni  | Cu  | Sn | Al | Ti | As | B       | Ca | N   | Ce. 1 | PCM | Col. 1 | Col. 2 |
| Heat N°<br>Colada N° | Sample N°<br>Muestra N° | H Max | 16                            | 165 | 45 | 50 | 50 | 20     | 10  | 80 | 50 | 500 | 500 | -- | 60 | 40 | -- | 5       | -- | 120 | 41    | 25  | 15     | --     |
|                      |                         | Min   | --                            | --  | -- | -- | -- | --     | --  | -- | -- | --  | --  | -- | -- | -- | -- | --      | -- | --  | --    | --  | --     | 200    |
|                      |                         | P Max | 16                            | 165 | 45 | 50 | 50 | 20     | 10  | 80 | 50 | 500 | 500 | -- | 60 | 40 | -- | 5       | -- | 120 | 41    | 25  | 15     | --     |
|                      |                         | Min   | --                            | --  | -- | -- | -- | --     | --  | -- | -- | --  | --  | -- | -- | -- | -- | --      | -- | --  | --    | --  | --     | 200    |
| 42684                | 00001                   | H     | 9                             | 111 | 25 | 11 | 13 | 10     | 0.2 | 33 | 20 | 150 | 90  | 6  | 22 | 3  | 4  | 1       | 8  | 45  | 35    | 18  | 5.6    | 488.88 |
| 42684                | 54473                   | P     | 8                             | 110 | 25 | 11 | 13 | 10     | 0.9 | 33 | 22 | 160 | 80  | 7  | 23 | 3  | 3  | 3       | 10 | 53  | 33    | 17  | 5.8    | 433.96 |
| 42684                | 54490                   | P     | 8                             | 111 | 25 | 11 | 13 | 10     | 1   | 33 | 23 | 160 | 80  | 7  | 24 | 3  | 3  | 3       | 11 | 47  | 34    | 17  | 5.9    | 510.63 |
| 42684                | 73958                   | P     | 8                             | 110 | 25 | 11 | 13 | 10     | 0.1 | 32 | 20 | 150 | 90  | 6  | 23 | 3  | 3  | 1       | 9  | 41  | 33    | 17  | 5.5    | 560.97 |
| 42684                | 74374                   | P     | 9                             | 110 | 25 | 11 | 13 | 10     | 0.2 | 33 | 20 | 150 | 90  | 6  | 23 | 2  | 4  | 1       | 11 | 40  | 34    | 18  | 5.5    | 575    |
| 42685                | 00001                   | H     | 8                             | 111 | 26 | 11 | 13 | 11     | 0.2 | 35 | 21 | 160 | 90  | 7  | 24 | 3  | 4  | 1       | 8  | 50  | 34    | 17  | 5.9    | 480    |
| 42685                | 54366                   | P     | 7                             | 110 | 25 | 11 | 13 | 10     | 0.8 | 34 | 22 | 160 | 80  | 7  | 25 | 3  | 3  | 2       | 11 | 42  | 32    | 16  | 5.9    | 595.23 |
| 42685                | 54472                   | P     | 7                             | 112 | 25 | 11 | 13 | 10     | 0.7 | 33 | 22 | 160 | 80  | 7  | 25 | 3  | 3  | 3       | 12 | 53  | 33    | 16  | 5.8    | 471.69 |
| 42686                | 00001                   | H     | 8                             | 111 | 26 | 12 | 14 | 9      | 0.2 | 36 | 21 | 160 | 80  | 9  | 33 | 3  | 4  | 1       | 10 | 47  | 34    | 17  | 6      | 702.12 |
| 42686                | 73852                   | P     | 7                             | 111 | 26 | 12 | 14 | 9      | 0.9 | 35 | 21 | 160 | 80  | 9  | 34 | 4  | 3  | 1       | 9  | 46  | 33    | 16  | 6      | 739.13 |
| 42686                | 73860                   | P     | 7                             | 112 | 27 | 12 | 14 | 9      | 0.8 | 37 | 22 | 160 | 80  | 9  | 34 | 4  | 3  | 1       | 8  | 48  | 33    | 16  | 6.3    | 708.33 |
| 42687                | 00001                   | H     | 8                             | 110 | 24 | 11 | 14 | 10     | 0.2 | 34 | 21 | 160 | 70  | 6  | 29 | 3  | 4  | 1       | 10 | 52  | 34    | 17  | 5.8    | 557.69 |
| 42687                | 73822                   | P     | 8                             | 111 | 24 | 12 | 14 | 10     | 0.9 | 33 | 20 | 160 | 70  | 6  | 29 | 3  | 3  | 1       | 8  | 58  | 34    | 17  | 5.6    | 500    |
| 42687                | 73841                   | P     | 8                             | 112 | 24 | 12 | 14 | 10     | 0.8 | 35 | 21 | 160 | 70  | 6  | 30 | 3  | 3  | 1       | 8  | 61  | 34    | 17  | 5.9    | 491.8  |
| 42688                | 00001                   | H     | 9                             | 111 | 24 | 10 | 13 | 9      | 1.4 | 34 | 20 | 160 | 70  | 6  | 33 | 3  | 4  | 0       | 11 | 55  | 34    | 18  | 5.7    | 600    |
| 42688                | 73881                   | P     | 8                             | 114 | 26 | 11 | 14 | 11     | 1   | 35 | 23 | 170 | 80  | 6  | 28 | 3  | 3  | 1       | 8  | 58  | 34    | 17  | 6.1    | 482.75 |
| 42688                | 73957                   | P     | 8                             | 112 | 25 | 10 | 13 | 9      | 1.8 | 33 | 20 | 160 | 70  | 6  | 34 | 3  | 3  | 1       | 8  | 54  | 33    | 17  | 5.6    | 629.62 |

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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

|                                                                                                                          |  |                                      |  |                                                                                                |  |                                                                                        |  |                                                                                                    |  |                                                                           |  |                                                                            |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|--|------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------|--|----------------------------------------------------------------------------|--|--|--|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                        |  |                                      |  | Customer's Order Item / Orden Cliente - Item:<br><b>212-00794-01 R1 ITEM 1</b>                 |  |                                                                                        |  | Customer's Reference / Ref. del Cliente:<br><b>N/A</b>                                             |  |                                                                           |  | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b> |  |  |  |
| Manufacturing Process / Proceso de Manufactura:<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 SIN COSTURA</b> |  |                                                                                        |  | Surface / Superficie:<br><b>See supplementary information.</b><br><b>Ver notas suplementarias.</b> |  |                                                                           |  |                                                                            |  |  |  |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>                |  |                                      |  | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                                      |  |                                                                                        |  | Ends / Extremos:<br><b>NORMAL BEVEL</b><br><b>BISELADO NORMAL</b>                                  |  |                                                                           |  |                                                                            |  |  |  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH</b><br><b>219.1 X 15.1 MM</b>                                         |  | Schedule / Cédula:<br><b>SCH 100</b> |  | Length / Longitud:<br><b>39.70 / 41.67 FT</b><br><b>12.10 / 12.70 MTS</b>                      |  | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT</b><br><b>17845.081 MTS</b> |  | <b>2975857.158 LB</b><br><b>1349825.000 KG</b>                                                     |  | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT</b><br><b>75.92 KG/M</b> |  |                                                                            |  |  |  |

**CHEMICAL COMPOSITION / COMPOSICIÓN QUÍMICA**

|                      |                         |     | Composition % / Composición % |     |     |    |    |        |     |    |    |     |     |     |    |    |    |         |    |    |       |     |        |          |    |
|----------------------|-------------------------|-----|-------------------------------|-----|-----|----|----|--------|-----|----|----|-----|-----|-----|----|----|----|---------|----|----|-------|-----|--------|----------|----|
|                      |                         |     | X 100                         |     |     |    |    | X 1000 |     |    |    |     |     |     |    |    |    | X 10000 |    |    | X 100 |     |        |          |    |
|                      |                         |     | C                             | Mn  | Si  | Mo | Cr | P      | S   | V  | Nb | Ni  | Cu  | Sn  | Al | Ti | As | B       | Ca | N  | Ce. 1 | PCM | Col. 1 | Col. 2   |    |
| Heat N°<br>Colada N° | Sample N°<br>Muestra N° | H   | Max                           | 16  | 165 | 45 | 50 | 50     | 20  | 10 | 80 | 50  | 500 | 500 | -- | 60 | 40 | --      | 5  | -- | 120   | 41  | 25     | 15       | -- |
|                      |                         | Min | --                            | --  | --  | -- | -- | --     | --  | -- | -- | --  | --  | --  | -- | -- | -- | --      | -- | -- | --    | --  | --     | 200      |    |
|                      |                         | P   | Max                           | 16  | 165 | 45 | 50 | 50     | 20  | 10 | 80 | 50  | 500 | 500 | -- | 60 | 40 | --      | 5  | -- | 120   | 41  | 25     | 15       | -- |
|                      |                         | Min | --                            | --  | --  | -- | -- | --     | --  | -- | -- | --  | --  | --  | -- | -- | -- | --      | -- | -- | --    | --  | --     | 200      |    |
| 42689                | 00001                   | H   | 9                             | 110 | 28  | 12 | 13 | 9      | 0.2 | 34 | 20 | 160 | 80  | 6   | 32 | 3  | 4  | 1       | 13 | 57 | 35    | 18  | 5.7    | 561.4    |    |
| 42689                | 54491                   | P   | 8                             | 111 | 27  | 12 | 14 | 9      | 1   | 33 | 22 | 160 | 80  | 6   | 32 | 3  | 3  | 2       | 13 | 60 | 34    | 17  | 5.8    | 533.33   |    |
| 42689                | 54499                   | P   | 7                             | 110 | 27  | 12 | 14 | 8      | 1.1 | 33 | 22 | 160 | 80  | 6   | 33 | 3  | 3  | 2       | 14 | 49 | 33    | 16  | 5.8    | 673.46   |    |
| 42690                | 00001                   | H   | 9                             | 112 | 23  | 11 | 13 | 10     | 0.3 | 35 | 21 | 160 | 90  | 7   | 32 | 2  | 4  | 0       | 14 | 48 | 35    | 18  | 5.8    | 666.66   |    |
| 42690                | 54500                   | P   | 7                             | 110 | 22  | 11 | 13 | 9      | 1.1 | 33 | 22 | 160 | 80  | 7   | 30 | 3  | 3  | 2       | 14 | 41 | 32    | 16  | 5.8    | 731.7    |    |
| 42690                | 54550                   | P   | 8                             | 112 | 23  | 11 | 13 | 10     | 1   | 34 | 23 | 160 | 90  | 7   | 32 | 3  | 3  | 2       | 15 | 46 | 34    | 17  | 6      | 695.65   |    |
| 42691                | 00001                   | H   | 8                             | 113 | 22  | 10 | 13 | 10     | 0.6 | 34 | 21 | 170 | 90  | 6   | 31 | 2  | 4  | 0       | 11 | 40 | 34    | 17  | 5.7    | 775      |    |
| 42691                | 51837                   | P   | 7                             | 114 | 23  | 10 | 13 | 10     | 1.5 | 35 | 21 | 170 | 90  | 6   | 30 | 3  | 3  | 2       | 9  | 39 | 33    | 16  | 5.9    | 769.23   |    |
| 42691                | 51921                   | P   | 7                             | 113 | 22  | 10 | 13 | 9      | 2   | 35 | 20 | 170 | 90  | 6   | 30 | 3  | 3  | 2       | 9  | 22 | 33    | 16  | 5.8    | 1,363.63 |    |
| 42691                | 54551                   | P   | 7                             | 113 | 22  | 10 | 13 | 9      | 1.4 | 33 | 22 | 170 | 80  | 6   | 31 | 3  | 3  | 2       | 13 | 41 | 33    | 16  | 5.8    | 756.09   |    |
| 42691                | 54588                   | P   | 7                             | 114 | 22  | 11 | 14 | 9      | 1.2 | 34 | 22 | 170 | 80  | 6   | 32 | 3  | 3  | 2       | 14 | 39 | 33    | 16  | 5.9    | 820.51   |    |
| 42692                | 00001                   | H   | 8                             | 114 | 25  | 10 | 14 | 9      | 0.2 | 34 | 22 | 170 | 90  | 6   | 32 | 3  | 4  | 0       | 12 | 38 | 34    | 17  | 5.9    | 842.1    |    |
| 42692                | 74414                   | P   | 8                             | 116 | 24  | 11 | 14 | 10     | 1.2 | 34 | 22 | 180 | 100 | 8   | 30 | 3  | 3  | 1       | 7  | 33 | 35    | 17  | 5.9    | 909.09   |    |
| 42692                | 74485                   | P   | 7                             | 115 | 24  | 10 | 14 | 9      | 1.1 | 35 | 22 | 170 | 90  | 7   | 31 | 3  | 3  | 0       | 8  | 32 | 33    | 16  | 6      | 968.75   |    |
| 42693                | 00001                   | H   | 8                             | 112 | 22  | 10 | 13 | 11     | 0.7 | 32 | 21 | 190 | 100 | 7   | 30 | 2  | 4  | 0       | 11 | 44 | 34    | 17  | 5.5    | 681.81   |    |
| 42693                | 51830                   | P   | 7                             | 112 | 23  | 11 | 13 | 11     | 2.1 | 32 | 22 | 190 | 100 | 8   | 26 | 3  | 3  | 3       | 7  | 29 | 33    | 16  | 5.7    | 896.55   |    |
| 42693                | 51836                   | P   | 8                             | 112 | 22  | 10 | 13 | 11     | 2.2 | 32 | 21 | 200 | 100 | 7   | 29 | 3  | 3  | 3       | 8  | 28 | 34    | 17  | 5.6    | 1,035.71 |    |

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.



# INSPECTION CERTIFICATE 3.2 CERTIFICADO DE INSPECCIÓN 3.2 (EN 10204 3.2:2004-ISO 10474 3.2:2013)

Number / Número:

22047554

Page / Página:

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Date / Día: July 09, 2022

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

|                                                                                                                    |  |                                      |                                                                                          |                                                           |                                                                                  |  |                                                                            |                                                                                              |                                                                     |
|--------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------|--|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                  |  |                                      | Customer's Order Item / Orden Cliente - Item:<br><b>212-00794-01 R1 ITEM 1</b>           |                                                           | Customer's Reference / Ref. del Cliente:<br><b>N/A</b>                           |  | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b> |                                                                                              |                                                                     |
| Manufacturing Process / Proceso de Manufactura:<br><b>SEAMLESS HOT ROLLED<br/>LAMINADO EN CALIENTE SIN COSTURA</b> |  |                                      | Product Type / Tipo de Producto:<br><b>SEAMLESS LINE PIPE<br/>CONDUCCION SIN COSTURA</b> |                                                           |                                                                                  |  |                                                                            | Surface / Superficie:<br><b>See supplementary information.<br/>Ver notas suplementarias.</b> |                                                                     |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>          |  |                                      |                                                                                          | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b> |                                                                                  |  | Ends / Extremos:<br><b>NORMAL BEVEL<br/>BISELADO NORMAL</b>                |                                                                                              |                                                                     |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH<br/>219.1 X 15.1 MM</b>                                         |  | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT<br/>12.10 / 12.70 MTS</b>                      |                                                           | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT<br/>17845.081 MTS</b> |  | 2975857.158 LB<br>1349825.000 KG                                           |                                                                                              | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT<br/>75.92 KG/M</b> |

## CHEMICAL COMPOSITION / COMPOSICIÓN QUÍMICA

|                      |                         |       | Composition % / Composición % |     |    |    |    |        |     |    |    |     |     |    |    |    |    |         |    |     |       |     |        |        |
|----------------------|-------------------------|-------|-------------------------------|-----|----|----|----|--------|-----|----|----|-----|-----|----|----|----|----|---------|----|-----|-------|-----|--------|--------|
|                      |                         |       | X 100                         |     |    |    |    | X 1000 |     |    |    |     |     |    |    |    |    | X 10000 |    |     | X 100 |     |        |        |
|                      |                         |       | C                             | Mn  | Si | Mo | Cr | P      | S   | V  | Nb | Ni  | Cu  | Sn | Al | Ti | As | B       | Ca | N   | Ce. 1 | PCM | Col. 1 | Col. 2 |
| Heat N°<br>Colada N° | Sample N°<br>Muestra N° | H Max | 16                            | 165 | 45 | 50 | 50 | 20     | 10  | 80 | 50 | 500 | 500 | -- | 60 | 40 | -- | 5       | -- | 120 | 41    | 25  | 15     | --     |
|                      |                         | Min   | --                            | --  | -- | -- | -- | --     | --  | -- | -- | --  | --  | -- | -- | -- | -- | --      | -- | --  | --    | --  | --     | 200    |
|                      |                         | P Max | 16                            | 165 | 45 | 50 | 50 | 20     | 10  | 80 | 50 | 500 | 500 | -- | 60 | 40 | -- | 5       | -- | 120 | 41    | 25  | 15     | --     |
|                      |                         | Min   | --                            | --  | -- | -- | -- | --     | --  | -- | -- | --  | --  | -- | -- | -- | -- | --      | -- | --  | --    | --  | --     | 200    |
| 42693                | 54351                   | P     | 7                             | 110 | 23 | 11 | 14 | 11     | 1.5 | 31 | 24 | 170 | 90  | 8  | 25 | 2  | 3  | 2       | 12 | 42  | 33    | 16  | 5.7    | 595.23 |
| 42693                | 54365                   | P     | 7                             | 110 | 22 | 11 | 13 | 11     | 1.6 | 30 | 22 | 200 | 90  | 7  | 30 | 2  | 3  | 2       | 12 | 38  | 33    | 16  | 5.4    | 789.47 |
| 42693                | 74375                   | P     | 8                             | 112 | 23 | 11 | 14 | 11     | 1.4 | 32 | 21 | 190 | 100 | 8  | 30 | 2  | 3  | 0       | 8  | 37  | 34    | 17  | 5.5    | 810.81 |
| 42693                | 74379                   | P     | 8                             | 113 | 23 | 11 | 13 | 12     | 0.7 | 32 | 21 | 200 | 100 | 8  | 30 | 2  | 4  | 0       | 13 | 42  | 34    | 17  | 5.5    | 714.28 |
| 42694                | 00001                   | H     | 8                             | 112 | 23 | 10 | 13 | 11     | 0.6 | 32 | 21 | 190 | 100 | 7  | 30 | 2  | 4  | 0       | 10 | 42  | 34    | 17  | 5.5    | 714.28 |
| 42694                | 73790                   | P     | 7                             | 113 | 24 | 12 | 13 | 11     | 1.4 | 32 | 23 | 170 | 90  | 8  | 23 | 3  | 3  | 1       | 7  | 46  | 33    | 16  | 5.8    | 500    |
| 42694                | 73818                   | P     | 8                             | 113 | 24 | 11 | 13 | 11     | 1.5 | 32 | 22 | 170 | 90  | 8  | 24 | 3  | 3  | 1       | 8  | 42  | 34    | 17  | 5.7    | 571.42 |
| 42695                | 00001                   | H     | 8                             | 113 | 25 | 11 | 14 | 12     | 0.5 | 33 | 23 | 170 | 90  | 6  | 27 | 2  | 4  | 1       | 11 | 60  | 34    | 17  | 5.8    | 450    |
| 42695                | 74488                   | P     | 8                             | 112 | 24 | 10 | 13 | 8      | 2   | 35 | 20 | 160 | 70  | 6  | 34 | 3  | 3  | 0       | 8  | 58  | 33    | 17  | 5.8    | 586.2  |
| 42695                | 74919                   | P     | 8                             | 113 | 26 | 11 | 14 | 11     | 1.3 | 33 | 23 | 170 | 80  | 6  | 28 | 3  | 3  | 1       | 9  | 59  | 34    | 17  | 5.9    | 474.57 |
| 42696                | 00001                   | H     | 8                             | 112 | 23 | 10 | 14 | 11     | 0.4 | 31 | 22 | 160 | 70  | 5  | 25 | 2  | 4  | 1       | 10 | 55  | 34    | 17  | 5.5    | 454.54 |
| 42696                | 54331                   | P     | 7                             | 110 | 22 | 11 | 14 | 10     | 1.1 | 30 | 23 | 160 | 70  | 6  | 26 | 2  | 3  | 2       | 12 | 68  | 32    | 16  | 5.5    | 382.35 |
| 42696                | 54350                   | P     | 7                             | 111 | 23 | 11 | 14 | 11     | 1.3 | 30 | 24 | 160 | 70  | 6  | 26 | 2  | 3  | 2       | 12 | 60  | 33    | 16  | 5.6    | 433.33 |
| 42696                | 73873                   | P     | 7                             | 113 | 23 | 11 | 13 | 11     | 1   | 30 | 22 | 160 | 70  | 6  | 25 | 2  | 3  | 1       | 7  | 56  | 33    | 16  | 5.4    | 446.42 |
| 42696                | 73874                   | P     | 7                             | 114 | 23 | 10 | 13 | 12     | 0.4 | 30 | 22 | 160 | 70  | 6  | 25 | 2  | 4  | 0       | 12 | 56  | 33    | 16  | 5.4    | 446.42 |

|                                              |                 |                       |                       |
|----------------------------------------------|-----------------|-----------------------|-----------------------|
| Ce. 1: Carbon equivalent/Carbono equivalente | Col. 2: REL A/N | Max: Maximum / Máximo | P: Product / Producto |
|----------------------------------------------|-----------------|-----------------------|-----------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



**INSPECTION CERTIFICATE 3.2**  
*CERTIFICADO DE INSPECCIÓN 3.2*  
(EN 10204 3.2:2004-ISO 10474 3.2:2013)

Number / Número:

**22047554**

Page / Página:

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Date / Día: **July 09, 2022**

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

|                                                                                                                          |  |                                      |                                                                                                |  |                                                                                        |  |                                                                            |                                                                                                    |                                                                           |
|--------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                        |  |                                      | Customer's Order Item / Orden Cliente - Item:<br><b>212-00794-01 R1 ITEM 1</b>                 |  | Customer's Reference / Ref. del Cliente:<br><b>N/A</b>                                 |  | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b> |                                                                                                    |                                                                           |
| Manufacturing Process / Proceso de Manufactura:<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 SIN COSTURA</b> |  |                                                                                        |  |                                                                            | Surface / Superficie:<br><b>See supplementary information.</b><br><b>Ver notas suplementarias.</b> |                                                                           |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>                |  |                                      |                                                                                                |  | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                              |  |                                                                            | Ends / Extremos:<br><b>NORMAL BEVEL</b><br><b>BISELADO NORMAL</b>                                  |                                                                           |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH</b><br><b>219.1 X 15.1 MM</b>                                         |  | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT</b><br><b>12.10 / 12.70 MTS</b>                      |  | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT</b><br><b>17845.081 MTS</b> |  | <b>2975857.158 LB</b><br><b>1349825.000 KG</b>                             |                                                                                                    | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT</b><br><b>75.92 KG/M</b> |

**CHEMICAL COMPOSITION / COMPOSICIÓN QUÍMICA**

Col. 1: SUMA Nb+V+Ti

H: Heat / Colada

Min: Minimum / Mínimo

PCM: Percentage of cracking material

**THROUGH WALL HARDNESS / DUREZA EN EL ESPESOR**

| Required values    |            | Individuals / Individuales |         |         | Average / Promedio |         |         | Hardness type/Tipo de dureza:HV10 |       |       |       |       |       |       |       |       |       |       |       |       |      |  |
|--------------------|------------|----------------------------|---------|---------|--------------------|---------|---------|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|
| Valores requeridos |            | Min: --                    | Max: -- | Var: -- | Min: --            | Max: -- | Var: -- |                                   |       |       |       |       |       |       |       |       |       |       |       |       |      |  |
| Heat N°            | Sample N°  | Specimen condition         |         | Quad.   | Scale              | OD      |         |                                   |       |       | MW    |       |       |       |       | ID    |       |       |       |       | Var. |  |
| Colada N°          | Muestra N° | Ls                         | Sc      |         | Escala             | 1       | 2       | 3                                 | 4     | Avg.  | 1     | 2     | 3     | 4     | Avg.  | 1     | 2     | 3     | 4     | Avg.  |      |  |
| 42684              | 54473      | B                          | AM      | 1       | HV                 | 185.0   | 184.0   | 182.0                             | 185.0 | 184.0 | 184.0 | 180.0 | 178.0 | 179.0 | 180.3 | 211.0 | 216.0 | 216.0 | 214.0 | 214.3 | 38.0 |  |
| 42684              | 54490      | B                          | AM      | 1       | HV                 | 194.0   | 190.0   | 191.0                             | 190.0 | 191.3 | 185.0 | 181.0 | 184.0 | 185.0 | 183.8 | 193.0 | 188.0 | 189.0 | 190.0 | 190.0 | 13.0 |  |
| 42684              | 73958      | B                          | AM      | 1       | HV                 | 184.0   | 185.0   | 188.0                             | 187.0 | 186.0 | 174.0 | 179.0 | 181.0 | 181.0 | 178.8 | 179.0 | 176.0 | 176.0 | 176.0 | 176.8 | 14.0 |  |
| 42685              | 54366      | B                          | AM      | 1       | HV                 | 186.0   | 183.0   | 183.0                             | 184.0 | 184.0 | 179.0 | 181.0 | 179.0 | 180.0 | 179.8 | 193.0 | 189.0 | 188.0 | 187.0 | 189.3 | 14.0 |  |
| 42685              | 54472      | B                          | AM      | 1       | HV                 | 192.0   | 188.0   | 186.0                             | 184.0 | 187.5 | 184.0 | 184.0 | 185.0 | 184.0 | 184.3 | 188.0 | 187.0 | 185.0 | 186.0 | 186.5 | 8.0  |  |
| 42686              | 73852      | B                          | AM      | 1       | HV                 | 194.0   | 192.0   | 191.0                             | 189.0 | 191.5 | 179.0 | 180.0 | 177.0 | 178.0 | 178.5 | 180.0 | 179.0 | 178.0 | 178.0 | 178.8 | 17.0 |  |
| 42686              | 73860      | B                          | AM      | 1       | HV                 | 187.0   | 191.0   | 190.0                             | 188.0 | 189.0 | 185.0 | 184.0 | 185.0 | 182.0 | 184.0 | 195.0 | 191.0 | 194.0 | 196.0 | 194.0 | 14.0 |  |
| 42687              | 73822      | B                          | AM      | 1       | HV                 | 186.0   | 187.0   | 186.0                             | 188.0 | 186.8 | 179.0 | 179.0 | 181.0 | 182.0 | 180.3 | 181.0 | 177.0 | 178.0 | 180.0 | 179.0 | 11.0 |  |
| 42687              | 73841      | B                          | AM      | 1       | HV                 | 190.0   | 190.0   | 189.0                             | 188.0 | 189.3 | 181.0 | 182.0 | 181.0 | 182.0 | 181.5 | 207.0 | 186.0 | 193.0 | 192.0 | 194.5 | 26.0 |  |
| 42688              | 73881      | B                          | AM      | 1       | HV                 | 190.0   | 192.0   | 192.0                             | 192.0 | 191.5 | 186.0 | 184.0 | 186.0 | 185.0 | 185.3 | 186.0 | 184.0 | 183.0 | 183.0 | 184.0 | 9.0  |  |
| 42688              | 73957      | B                          | AM      | 1       | HV                 | 188.0   | 194.0   | 196.0                             | 192.0 | 192.5 | 178.0 | 179.0 | 182.0 | 178.0 | 179.3 | 186.0 | 184.0 | 182.0 | 180.0 | 183.0 | 18.0 |  |
| 42689              | 54491      | B                          | AM      | 1       | HV                 | 192.0   | 190.0   | 188.0                             | 189.0 | 189.8 | 180.0 | 180.0 | 180.0 | 181.0 | 180.3 | 186.0 | 187.0 | 189.0 | 188.0 | 187.5 | 12.0 |  |
| 42689              | 54499      | B                          | AM      | 1       | HV                 | 187.0   | 187.0   | 190.0                             | 194.0 | 189.5 | 181.0 | 181.0 | 182.0 | 182.0 | 181.5 | 181.0 | 182.0 | 182.0 | 184.0 | 182.3 | 13.0 |  |
| 42690              | 54500      | B                          | AM      | 1       | HV                 | 192.0   | 186.0   | 185.0                             | 187.0 | 187.5 | 180.0 | 178.0 | 177.0 | 177.0 | 178.0 | 184.0 | 183.0 | 181.0 | 184.0 | 183.0 | 15.0 |  |
| 42690              | 54550      | B                          | AM      | 1       | HV                 | 186.0   | 186.0   | 186.0                             | 185.0 | 185.8 | 177.0 | 181.0 | 176.0 | 178.0 | 178.0 | 181.0 | 180.0 | 180.0 | 180.0 | 180.3 | 10.0 |  |
| 42691              | 51837      | B                          | AM      | 1       | HV                 | 181.0   | 182.0   | 185.0                             | 185.0 | 183.3 | 182.0 | 181.0 | 179.0 | 179.0 | 180.3 | 183.0 | 183.0 | 187.0 | 187.0 | 185.0 | 8.0  |  |
| 42691              | 54551      | B                          | AM      | 1       | HV                 | 183.0   | 182.0   | 184.0                             | 183.0 | 183.0 | 176.0 | 175.0 | 174.0 | 176.0 | 175.3 | 184.0 | 185.0 | 186.0 | 185.0 | 185.0 | 12.0 |  |

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**INSPECTION CERTIFICATE 3.2**  
*CERTIFICADO DE INSPECCIÓN 3.2*  
(EN 10204 3.2:2004-ISO 10474 3.2:2013)

Number / Número:

**22047554**

Page / Página:

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Date / Día: **July 09, 2022**

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

|                                                                                                                          |  |                                      |                                                                                                |  |                                                                                        |  |                                                                            |                                                                                                    |  |                                         |
|--------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--|-----------------------------------------|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                        |  |                                      | Customer's Order Item / Orden Cliente - Item:<br><b>212-00794-01 R1 ITEM 1</b>                 |  | Customer's Reference / Ref. del Cliente:<br><b>N/A</b>                                 |  | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b> |                                                                                                    |  |                                         |
| Manufacturing Process / Proceso de Manufactura:<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 SIN COSTURA</b> |  |                                                                                        |  |                                                                            | Surface / Superficie:<br><b>See supplementary information.</b><br><b>Ver notas suplementarias.</b> |  |                                         |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>                |  |                                      |                                                                                                |  | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                              |  |                                                                            | Ends / Extremos:<br><b>NORMAL BEVEL</b><br><b>BISELADO NORMAL</b>                                  |  |                                         |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH</b><br><b>219.1 X 15.1 MM</b>                                         |  | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT</b><br><b>12.10 / 12.70 MTS</b>                      |  | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT</b><br><b>17845.081 MTS</b> |  |                                                                            | Nominal Weight / Peso Nominal:<br><b>2975857.158 LB</b><br><b>1349825.000 KG</b>                   |  | <b>51.00 LB/FT</b><br><b>75.92 KG/M</b> |

**THROUGH WALL HARDNESS / DUREZA EN EL ESPESOR**

| Required values<br>Valores requeridos |                         | Individuals / Individuales |         |         | Average / Promedio |         |         | Hardness type/Tipo de dureza:HV10 |       |       |       |       |       |       |       |       |       |       |       |       |      |  |
|---------------------------------------|-------------------------|----------------------------|---------|---------|--------------------|---------|---------|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|
|                                       |                         | Min: --                    | Max: -- | Var: -- | Min: --            | Max: -- | Var: -- |                                   |       |       |       |       |       |       |       |       |       |       |       |       |      |  |
| Heat N°<br>Colada N°                  | Sample N°<br>Muestra N° | Specimen condition         |         | Quad.   | Scale<br>Escala    | OD      |         |                                   |       |       | MW    |       |       |       |       | ID    |       |       |       |       | Var. |  |
|                                       |                         | Ls                         | Sc      |         |                    | 1       | 2       | 3                                 | 4     | Avg.  | 1     | 2     | 3     | 4     | Avg.  | 1     | 2     | 3     | 4     | Avg.  |      |  |
| 42691                                 | 54588                   | B                          | AM      | 1       | HV                 | 186.0   | 187.0   | 189.0                             | 190.0 | 188.0 | 186.0 | 182.0 | 183.0 | 181.0 | 183.0 | 208.0 | 201.0 | 197.0 | 199.0 | 201.3 | 27.0 |  |
| 42692                                 | 74414                   | B                          | AM      | 1       | HV                 | 190.0   | 191.0   | 191.0                             | 192.0 | 191.0 | 180.0 | 182.0 | 181.0 | 183.0 | 181.5 | 192.0 | 187.0 | 189.0 | 189.0 | 189.3 | 12.0 |  |
| 42692                                 | 74485                   | B                          | AM      | 1       | HV                 | 187.0   | 190.0   | 193.0                             | 194.0 | 191.0 | 182.0 | 183.0 | 182.0 | 182.0 | 182.3 | 187.0 | 187.0 | 182.0 | 181.0 | 184.3 | 13.0 |  |
| 42693                                 | 51830                   | B                          | AM      | 1       | HV                 | 187.0   | 187.0   | 188.0                             | 188.0 | 187.5 | 178.0 | 175.0 | 177.0 | 178.0 | 177.0 | 185.0 | 184.0 | 185.0 | 184.0 | 184.5 | 13.0 |  |
| 42693                                 | 54365                   | B                          | AM      | 1       | HV                 | 187.0   | 190.0   | 188.0                             | 189.0 | 188.5 | 184.0 | 185.0 | 184.0 | 182.0 | 183.8 | 191.0 | 194.0 | 195.0 | 192.0 | 193.0 | 13.0 |  |
| 42693                                 | 74375                   | B                          | AM      | 1       | HV                 | 188.0   | 189.0   | 188.0                             | 189.0 | 188.5 | 178.0 | 182.0 | 179.0 | 182.0 | 180.3 | 189.0 | 187.0 | 186.0 | 190.0 | 188.0 | 12.0 |  |
| 42694                                 | 73790                   | B                          | AM      | 1       | HV                 | 191.0   | 192.0   | 190.0                             | 191.0 | 191.0 | 183.0 | 183.0 | 183.0 | 185.0 | 183.5 | 190.0 | 188.0 | 184.0 | 188.0 | 187.5 | 9.0  |  |
| 42694                                 | 73818                   | B                          | AM      | 1       | HV                 | 188.0   | 188.0   | 189.0                             | 189.0 | 188.5 | 181.0 | 182.0 | 180.0 | 182.0 | 181.3 | 196.0 | 197.0 | 196.0 | 197.0 | 196.5 | 17.0 |  |
| 42695                                 | 74488                   | B                          | AM      | 1       | HV                 | 185.0   | 186.0   | 187.0                             | 187.0 | 186.3 | 181.0 | 182.0 | 180.0 | 181.0 | 181.0 | 189.0 | 188.0 | 191.0 | 189.0 | 189.3 | 11.0 |  |
| 42695                                 | 74919                   | B                          | AM      | 1       | HV                 | 191.0   | 192.0   | 193.0                             | 192.0 | 192.0 | 179.0 | 178.0 | 177.0 | 176.0 | 177.5 | 188.0 | 188.0 | 186.0 | 187.0 | 187.3 | 17.0 |  |
| 42696                                 | 54331                   | B                          | AM      | 1       | HV                 | 184.0   | 186.0   | 186.0                             | 183.0 | 184.8 | 170.0 | 174.0 | 173.0 | 171.0 | 172.0 | 180.0 | 180.0 | 179.0 | 181.0 | 180.0 | 16.0 |  |
| 42696                                 | 54350                   | B                          | AM      | 1       | HV                 | 206.0   | 197.0   | 200.0                             | 202.0 | 201.3 | 183.0 | 180.0 | 182.0 | 183.0 | 182.0 | 187.0 | 186.0 | 186.0 | 184.0 | 185.8 | 26.0 |  |
| 42696                                 | 73873                   | B                          | AM      | 1       | HV                 | 183.0   | 184.0   | 182.0                             | 186.0 | 183.8 | 179.0 | 180.0 | 174.0 | 175.0 | 177.0 | 183.0 | 189.0 | 196.0 | 186.0 | 188.5 | 22.0 |  |

|                                                    |                                                  |                                         |                                                  |
|----------------------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|
| AM: As manufactured / Según proceso de fabricación | ID: Internal diameter / Diámetro interno         | Min: Minimum / Mínimo                   | Quad: Quadrant / Cuadrante                       |
| Avg: Average / Promedio                            | Ls: Location of sample / Ubicación de la muestra | MW: Middle wall / Centro                | Sc: Specimen condition / Condición de la probeta |
| B: Body / Cuerpo                                   | Max: Maximum / Máximo                            | OD: Outside diameter / Diámetro externo | Var: Variation / Variación                       |

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**INSPECTION CERTIFICATE 3.2**  
*CERTIFICADO DE INSPECCIÓN 3.2*  
(EN 10204 3.2:2004-ISO 10474 3.2:2013)

Number / Número:

**22047554**

Page / Página:

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Date / Día: **July 09, 2022**

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

|                                                                                                                          |  |                                      |                                                                                                |  |                                                                                        |  |                                                                            |                                                                                                    |  |                                         |
|--------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|--|-----------------------------------------|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                        |  |                                      | Customer's Order Item / Orden Cliente - Item:<br><b>212-00794-01 R1 ITEM 1</b>                 |  | Customer's Reference / Ref. del Cliente:<br><b>N/A</b>                                 |  | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b> |                                                                                                    |  |                                         |
| Manufacturing Process / Proceso de Manufactura:<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 SIN COSTURA</b> |  |                                                                                        |  |                                                                            | Surface / Superficie:<br><b>See supplementary information.</b><br><b>Ver notas suplementarias.</b> |  |                                         |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>                |  |                                      |                                                                                                |  | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                              |  |                                                                            | Ends / Extremos:<br><b>NORMAL BEVEL</b><br><b>BISELADO NORMAL</b>                                  |  |                                         |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH</b><br><b>219.1 X 15.1 MM</b>                                         |  | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT</b><br><b>12.10 / 12.70 MTS</b>                      |  | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT</b><br><b>17845.081 MTS</b> |  |                                                                            | Nominal Weight / Peso Nominal:<br><b>2975857.158 LB</b><br><b>1349825.000 KG</b>                   |  | <b>51.00 LB/FT</b><br><b>75.92 KG/M</b> |

**IMPACT TEST / ENSAYO DE IMPACTO**

| Type/Tipo: <b>CHARPY V</b>    |                         | Orientation/Orientación: <b>T</b> |    |           |               | Unit / Unidad: <b>ft.lb</b> |     |     |      | Shear area / Área dúctil <b>%</b>             |     |     |      |
|-------------------------------|-------------------------|-----------------------------------|----|-----------|---------------|-----------------------------|-----|-----|------|-----------------------------------------------|-----|-----|------|
| Position/Posición: <b>N/A</b> |                         | Temp: <b>-20</b>                  |    |           |               | Unit/Unidad: <b>°F</b>      |     |     |      | Ind.Min.Reg: <b>15</b> Req.Min.Avg: <b>20</b> |     |     |      |
| Heat N°<br>Colada N°          | Sample N°<br>Muestra N° | Ls                                | Sc | T.T<br>°F | Size / Tamaño | Results / Resultados        |     |     |      | Results / Resultados                          |     |     |      |
|                               |                         |                                   |    |           | mm            | 1                           | 2   | 3   | Avg. | 1                                             | 2   | 3   | Avg. |
| 42684                         | 54473                   | B                                 | AM | -20       | 10 x 10       | 260                         | 250 | 265 | 258  | 100                                           | 100 | 100 | 100  |
| 42684                         | 54490                   | B                                 | AM | -20       | 10 x 10       | 261                         | 284 | 281 | 275  | 100                                           | 100 | 100 | 100  |
| 42684                         | 73958                   | B                                 | AM | -20       | 10 x 10       | 274                         | 259 | 297 | 277  | 100                                           | 100 | 100 | 100  |
| 42685                         | 54366                   | B                                 | AM | -20       | 10 x 10       | 301                         | 315 | 280 | 299  | 100                                           | 100 | 100 | 100  |
| 42685                         | 54472                   | B                                 | AM | -20       | 10 x 10       | 267                         | 239 | 294 | 267  | 100                                           | 100 | 100 | 100  |
| 42686                         | 73852                   | B                                 | AM | -20       | 10 x 10       | 234                         | 205 | 221 | 220  | 85                                            | 85  | 85  | 85   |
| 42686                         | 73860                   | B                                 | AM | -20       | 10 x 10       | 205                         | 201 | 199 | 202  | 85                                            | 85  | 85  | 85   |
| 42687                         | 73822                   | B                                 | AM | -20       | 10 x 10       | 216                         | 229 | 240 | 228  | 85                                            | 85  | 85  | 85   |
| 42687                         | 73841                   | B                                 | AM | -20       | 10 x 10       | 243                         | 238 | 232 | 238  | 100                                           | 100 | 100 | 100  |
| 42688                         | 73881                   | B                                 | AM | -20       | 10 x 10       | 249                         | 247 | 229 | 242  | 100                                           | 100 | 100 | 100  |
| 42688                         | 73957                   | B                                 | AM | -20       | 10 x 10       | 272                         | 289 | 282 | 281  | 100                                           | 100 | 100 | 100  |
| 42689                         | 54491                   | B                                 | AM | -20       | 10 x 10       | 198                         | 207 | 193 | 199  | 85                                            | 85  | 85  | 85   |
| 42689                         | 54499                   | B                                 | AM | -20       | 10 x 10       | 237                         | 283 | 250 | 257  | 100                                           | 100 | 100 | 100  |
| 42690                         | 54500                   | B                                 | AM | -20       | 10 x 10       | 245                         | 267 | 211 | 241  | 100                                           | 100 | 85  | 95   |
| 42690                         | 54550                   | B                                 | AM | -20       | 10 x 10       | 302                         | 294 | 281 | 292  | 100                                           | 100 | 100 | 100  |
| 42691                         | 51837                   | B                                 | AM | -20       | 10 x 10       | 305                         | 320 | 317 | 314  | 100                                           | 100 | 100 | 100  |
| 42691                         | 54551                   | B                                 | AM | -20       | 10 x 10       | 273                         | 239 | 258 | 257  | 100                                           | 100 | 100 | 100  |
| 42691                         | 54588                   | B                                 | AM | -20       | 10 x 10       | 269                         | 280 | 303 | 284  | 100                                           | 100 | 100 | 100  |
| 42692                         | 74414                   | B                                 | AM | -20       | 10 x 10       | 232                         | 259 | 256 | 249  | 100                                           | 100 | 100 | 100  |
| 42692                         | 74485                   | B                                 | AM | -20       | 10 x 10       | 255                         | 218 | 272 | 248  | 100                                           | 85  | 100 | 95   |
| 42693                         | 51830                   | B                                 | AM | -20       | 10 x 10       | 312                         | 312 | 286 | 303  | 100                                           | 100 | 100 | 100  |

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**INSPECTION CERTIFICATE 3.2**  
*CERTIFICADO DE INSPECCIÓN 3.2*  
(EN 10204 3.2:2004-ISO 10474 3.2:2013)

Number / Número:

**22047554**

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Date / Día: **July 09, 2022**

Tubos de Acero de México, S.A.  
Carret. México Veracruz KM 433.7 SN  
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C.P. 91697 MEXICO  
(52) 229 989 1100 tel  
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|                                                                                                                          |                                      |                                                                                                |                                                                                                                                          |                                                        |                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                        |                                      | Customer's Order Item / Orden Cliente - Item:<br><b>212-00794-01 R1 ITEM 1</b>                 |                                                                                                                                          | Customer's Reference / Ref. del Cliente:<br><b>N/A</b> | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b>                         |
| Manufacturing Process / Proceso de Manufactura:<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 SIN COSTURA</b> |                                                                                                                                          |                                                        | Surface / Superficie:<br><b>See supplementary information.</b><br><b>Ver notas suplementarias.</b> |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>                |                                      |                                                                                                | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                                                                                |                                                        | Ends / Extremos:<br><b>NORMAL BEVEL</b><br><b>BISELADO NORMAL</b>                                  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH</b><br><b>219.1 X 15.1 MM</b>                                         | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT</b><br><b>12.10 / 12.70 MTS</b>                      | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT</b><br><b>17845.081 MTS</b><br><b>2975857.158 LB</b><br><b>1349825.000 KG</b> |                                                        | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT</b><br><b>75.92 KG/M</b>                          |

**IMPACT TEST / ENSAYO DE IMPACTO**

| Type/Tipo: <b>CHARPY V</b>    |            | Orientation/Orientación: <b>T</b> |    |                        |               | Unit / Unidad: <b>ft.lb</b> |     |                        |      | Shear area / Área dúctil <b>%</b> |     |                        |      |
|-------------------------------|------------|-----------------------------------|----|------------------------|---------------|-----------------------------|-----|------------------------|------|-----------------------------------|-----|------------------------|------|
| Position/Posición: <b>N/A</b> |            | Temp: <b>-20</b>                  |    | Unit/Unidad: <b>°F</b> |               | Ind.Min.Reg: <b>15</b>      |     | Req.Min.Avg: <b>20</b> |      | Ind.Min.Reg: <b>75</b>            |     | Req.Min.Avg: <b>85</b> |      |
| Heat N°                       | Sample N°  | Ls                                | Sc | T.T                    | Size / Tamaño | Results / Resultados        |     |                        |      | Results / Resultados              |     |                        |      |
| Colada N°                     | Muestra N° |                                   |    | °F                     | mm            | 1                           | 2   | 3                      | Avg. | 1                                 | 2   | 3                      | Avg. |
| 42693                         | 54351      | B                                 | AM | -20                    | 10 x 10       | 307                         | 302 | 324                    | 311  | 100                               | 100 | 100                    | 100  |
| 42693                         | 74375      | B                                 | AM | -20                    | 10 x 10       | 286                         | 285 | 279                    | 283  | 100                               | 100 | 100                    | 100  |
| 42694                         | 73790      | B                                 | AM | -20                    | 10 x 10       | 302                         | 276 | 303                    | 294  | 100                               | 100 | 100                    | 100  |
| 42694                         | 73818      | B                                 | AM | -20                    | 10 x 10       | 258                         | 240 | 260                    | 253  | 100                               | 100 | 100                    | 100  |
| 42695                         | 74488      | B                                 | AM | -20                    | 10 x 10       | 265                         | 270 | 285                    | 273  | 100                               | 100 | 100                    | 100  |
| 42695                         | 74919      | B                                 | AM | -20                    | 10 x 10       | 247                         | 236 | 231                    | 238  | 100                               | 100 | 100                    | 100  |
| 42696                         | 54331      | B                                 | AM | -20                    | 10 x 10       | 302                         | 278 | 265                    | 282  | 100                               | 100 | 100                    | 100  |
| 42696                         | 54350      | B                                 | AM | -20                    | 10 x 10       | 305                         | 318 | 292                    | 305  | 100                               | 100 | 100                    | 100  |
| 42696                         | 73873      | B                                 | AM | -20                    | 10 x 10       | 250                         | 259 | 252                    | 254  | 100                               | 100 | 100                    | 100  |

|                                                    |                                                  |                                                    |                                 |
|----------------------------------------------------|--------------------------------------------------|----------------------------------------------------|---------------------------------|
| AM: As manufactured / Según proceso de fabricación | Requerido Mínimo Individual                      | Req. Min. Avg: Required minimum average / Promedio | T: Transversal / Transversal    |
| Avg: Average / Promedio                            | Ind. Min. Req: Individual Minimum Required /     | mínimo requerido                                   | Temp: Temperature / Temperatura |
| B: Body / Cuerpo                                   | Requerido Mínimo Individual                      | Sc: Specimen condition / Condición de la probeta   |                                 |
| Ind. Min. Req: Individual Minimum Required /       | Ls: Location of sample / Ubicación de la muestra | T.T: Test temperature / Temperatura de ensayo      |                                 |

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**INSPECTION CERTIFICATE 3.2**  
*CERTIFICADO DE INSPECCIÓN 3.2*  
(EN 10204 3.2:2004-ISO 10474 3.2:2013)

Number / Número:

**22047554**

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Date / Día: **July 09, 2022**

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

|                                                                                                                    |                                      |                                                                                          |                                                                                                                                                        |                                                        |                                                                                              |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                  |                                      | Customer's Order Item / Orden Cliente - Item:<br><b>212-00794-01 R1 ITEM 1</b>           |                                                                                                                                                        | Customer's Reference / Ref. del Cliente:<br><b>N/A</b> | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b>                   |
| Manufacturing Process / Proceso de Manufactura:<br><b>SEAMLESS HOT ROLLED<br/>LAMINADO EN CALIENTE SIN COSTURA</b> |                                      | Product Type / Tipo de Producto:<br><b>SEAMLESS LINE PIPE<br/>CONDUCCION SIN COSTURA</b> |                                                                                                                                                        |                                                        | Surface / Superficie:<br><b>See supplementary information.<br/>Ver notas suplementarias.</b> |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>          |                                      |                                                                                          | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                                                                                              |                                                        | Ends / Extremos:<br><b>NORMAL BEVEL<br/>BISELADO NORMAL</b>                                  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH<br/>219.1 X 15.1 MM</b>                                         | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT<br/>12.10 / 12.70 MTS</b>                      | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT                      2975857.158 LB<br/>17845.081 MTS                    1349825.000 KG</b> |                                                        | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT<br/>75.92 KG/M</b>                          |

**HYDROSTATIC TEST / PRUEBA HIDRÁULICA**

| Pressure / Presión |               | Time / Tiempo      | Results / Resultado          |
|--------------------|---------------|--------------------|------------------------------|
| Unit / Unidad.     | Value / Valor | Seconds / Segundos |                              |
| psi                | 2,970         | 5                  | Satisfactory / Satisfactorio |

**HEAT TREATMENT / TRATAMIENTO TÉRMICO**

|                                                                                                             |                            |  |                                      |
|-------------------------------------------------------------------------------------------------------------|----------------------------|--|--------------------------------------|
| Heat treatment / Tratamiento térmico: <b>Pipe / Tubo</b>                                                    |                            |  |                                      |
| Quench media of heat treatment process / Medio de enfriamiento del tratamiento térmico: <b>Water / Agua</b> |                            |  |                                      |
| Temperature Scale / Escala de Temperatura: <b>°C</b>                                                        |                            |  |                                      |
| Type<br>Tipo                                                                                                | Temperature<br>Temperatura |  | Permanence<br>Permanencia<br>(Mins.) |
| Quenched / Templada                                                                                         | 901.23                     |  | 74.3                                 |
| Tempered / Revenido                                                                                         | 652.77                     |  | 111.7                                |

**SUPPLEMENTARY INFORMATION / INFORMACION SUPLEMENTARIA**

| Supplementary Information<br>Información Suplementaria                                                                                                                                                            |                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MELTED AND MANUFACTURED BY TENARIS TAMSA - MEXICO<br>STEEL MAKING PROCESS:<br>ELECTRIC ARC FURNACE-LADLE FURNACE-VACUUM DEGASSED-CONTINUOUS CASTING MACHINE.<br>ALUMINIUM FULLY KILLED STEEL, FINE GRAIN PRACTICE | FUNDIDO Y FABRICADO POR TENARIS TAMSA - MÉXICO<br>FABRICACIÓN DEL ACERO:<br>HORNO DE ARCO ELÉCTRICO-HORNO DE AFINACIÓN-DESGASIFICADO AL VACÍO-MÁQUINA DE COLADA CONTINUA.<br>ACERO CALMADO CON ALUMINIO, PRÁCTICA DE GRANO FINO |

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|                                                                                                                          |                                      |                                                                                                |                                                                                                                                          |                                                        |                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                        |                                      |                                                                                                | Customer's Order Item / Orden Cliente - Item:<br><b>212-00794-01 R1 ITEM 1</b>                                                           | Customer's Reference / Ref. del Cliente:<br><b>N/A</b> | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b>                         |
| Manufacturing Process / Proceso de Manufactura:<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 SIN COSTURA</b> |                                                                                                                                          |                                                        | Surface / Superficie:<br><b>See supplementary information.</b><br><b>Ver notas suplementarias.</b> |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>                |                                      |                                                                                                | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                                                                                |                                                        | Ends / Extremos:<br><b>NORMAL BEVEL</b><br><b>BISELADO NORMAL</b>                                  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH</b><br><b>219.1 X 15.1 MM</b>                                         | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT</b><br><b>12.10 / 12.70 MTS</b>                      | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT</b><br><b>17845.081 MTS</b><br><b>2975857.158 LB</b><br><b>1349825.000 KG</b> |                                                        | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT</b><br><b>75.92 KG/M</b>                          |

**SUPPLEMENTARY INFORMATION / INFORMACION SUPLEMENTARIA**

| Supplementary Information<br>Información Suplementaria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| THE LADLE FURNACE PRACTICE INCLUDES ARGON RINSE AND FINAL INJECTION OF CALCIUM SILICIDE WIRE FOR MICROINCLUSION SHAPE CONTROL<br>MATERIAL FREE FROM MERCURY CONTAMINATION<br>MATERIAL FREE FROM RADIOACTIVE CONTAMINATION<br>MANUFACTURING PROCESS OF PIPE:<br>SEAMLESS HOT ROLLED<br>NOT REPAIRED BY WELDING<br>NON DESTRUCTIVE TEST (NDT): SATISFACTORY<br>INSPECTION METHOD:<br>MPI<br>VISUAL TESTING<br>DIMENSIONAL INSPECTION<br>MAGNETIC FLUX LEAKAGE TESTING NOTCH 5% (L2) O.D. LONG. & TRANSV.<br>ULTRASONIC TESTING - NOTCH 5% (L2) O.D. & I.D. LONG. & TRANSV.<br>WALL THICKNESS VERIFICATION<br>END-AREA AUTOMATIC ULTRASONIC TESTING<br>ULTRASONIC COMPRESSION-WAVE TECHNIQUE TESTING<br>SURFACE:<br>VARNISH ON SHIPPING MARKS ONLY<br>FIND REPORTED IN ATTACHMENT: ATTACHMENT OF QUALIFICATION PIPE TEST<br>TAMSA REF: 264624 | LA PRÁCTICA EN EL HORNO DE AFINACIÓN INCLUYE AGITACIÓN POR ARGÓN E INYECCIÓN FINAL DE SILICIURO DE CALCIO PARA OBTENER UNA FORMA GLOBULAR DE EVENTUALES MICROINCLUSIONES<br>MATERIAL LIBRE DE CONTAMINACIÓN DE MERCURIO<br>MATERIAL LIBRE DE CONTAMINACIÓN RADIOACTIVA<br>FABRICACIÓN DEL TUBO:<br>LAMINADO EN CALIENTE SIN COSTURA<br>NO REPARADO POR SOLDADURA<br>ENSAYO DE CONTROL NO DESTRUCTIVO (CND): SATISFACTORIO<br>MÉTODO DE INSPECCIÓN:<br>MPI<br>INSPECCIÓN VISUAL<br>INSPECCIÓN DIMENSIONAL<br>INSPECCIÓN POR FUGA DE FLUJO MAGNÉTICO-RANURA 5% (L2) O.D. LONG. & TRANSV.<br>PRUEBA DE ULTRASONIDO - RANURA 5% (L2) O.D. & I.D. LONG. & TRANSV.<br>VERIFICACIÓN DE ESPESOR<br>INSPECCIÓN POR ULTRASONIDO AUTOMÁTICO EN EXTREMOS<br>INSPECCIÓN POR ULTRASONIDO POR TÉCNICA DE ONDAS DE COMPRESIÓN<br>SUPERFICIE:<br>BARNIZAR SOLO LAS MARCAS<br>SE ANEXA: ANEXO DE PRUEBAS DE CALIFICACIÓN<br>TAMSA REF: 264624 |

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(EN 10204 3.2:2004-ISO 10474 3.2:2013)

Number / Número:

**22047554**

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Date / Día: **July 09, 2022**

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| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                        |                                      | Customer's Order Item / Orden Cliente - Item:<br><b>212-00794-01 R1 ITEM 1</b>                 |                                                                                                                                    | Customer's Reference / Ref. del Cliente:<br><b>N/A</b> | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b>                         |
| Manufacturing Process / Proceso de Manufactura:<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 SIN COSTURA</b> |                                                                                                                                    |                                                        | Surface / Superficie:<br><b>See supplementary information.</b><br><b>Ver notas suplementarias.</b> |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>                |                                      |                                                                                                | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                                                                          |                                                        | Ends / Extremos:<br><b>NORMAL BEVEL</b><br><b>BISELADO NORMAL</b>                                  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH</b><br><b>219.1 X 15.1 MM</b>                                         | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT</b><br><b>12.10 / 12.70 MTS</b>                      | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT</b> <b>2975857.158 LB</b><br><b>17845.081 MTS</b> <b>1349825.000 KG</b> |                                                        | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT</b><br><b>75.92 KG/M</b>                          |

**SUPPLEMENTARY INFORMATION / INFORMACION SUPLEMENTARIA**

| Additional Information<br>Información Adicional                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HEAT / COUNTRY OF ORIGIN OF STEEL / TARIFF CODE<br>42684 / MEXICO / 7304190201<br>42685 / MEXICO / 7304190201<br>42686 / MEXICO / 7304190201<br>42687 / MEXICO / 7304190201<br>42688 / MEXICO / 7304190201<br>42689 / MEXICO / 7304190201<br>42690 / MEXICO / 7304190201<br>42691 / MEXICO / 7304190201<br>42692 / MEXICO / 7304190201<br>42693 / MEXICO / 7304190201<br>42694 / MEXICO / 7304190201<br>42695 / MEXICO / 7304190201<br>42696 / MEXICO / 7304190201 | COLADA / PAÍS DE ORIGEN DEL ACERO / FRACCIÓN ARANCELARIA<br>42684 / MEXICO / 7304190201<br>42685 / MEXICO / 7304190201<br>42686 / MEXICO / 7304190201<br>42687 / MEXICO / 7304190201<br>42688 / MEXICO / 7304190201<br>42689 / MEXICO / 7304190201<br>42690 / MEXICO / 7304190201<br>42691 / MEXICO / 7304190201<br>42692 / MEXICO / 7304190201<br>42693 / MEXICO / 7304190201<br>42694 / MEXICO / 7304190201<br>42695 / MEXICO / 7304190201<br>42696 / MEXICO / 7304190201 |

**MARKING / MARCACIÓN**

| Marking<br>Marcación                                                                                                                                                                       |                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PIPE STENCIL:<br>#N***** TENARIS TM SPEC 5L-0103 ? #MM-AA 8.625 0.594 X60QO-L415QO PSL2 SMLS HILCORP AFE<br>212-00794-01 R1 HN #C**** #N***** O.P ***** #P*** FT MADE IN MEXICO<br>WHERE : | MASCARILLA DE TUBO ESTARCIDO:<br>#N***** TENARIS TM SPEC 5L-0103 ? #MM-AA 8.625 0.594 X60QO-L415QO PSL2 SMLS HILCORP AFE<br>212-00794-01 R1 HN #C**** #N***** O.P ***** #P*** FT MADE IN MEXICO<br>DONDE : |

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## INSPECTION CERTIFICATE 3.2

CERTIFICADO DE INSPECCIÓN 3.2

(EN 10204 3.2:2004-ISO 10474 3.2:2013)

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| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                  |                                      | Customer's Order Item / Orden Cliente - Ítem:<br><b>212-00794-01 R1 ITEM 1</b>           |                                                                                                                                                          | Customer's Reference / Ref. del Cliente:<br><b>N/A</b> | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b>                   |
| Manufacturing Process / Proceso de Manufactura:<br><b>SEAMLESS HOT ROLLED<br/>LAMINADO EN CALIENTE SIN COSTURA</b> |                                      | Product Type / Tipo de Producto:<br><b>SEAMLESS LINE PIPE<br/>CONDUCCION SIN COSTURA</b> |                                                                                                                                                          |                                                        | Surface / Superficie:<br><b>See supplementary information.<br/>Ver notas suplementarias.</b> |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>          |                                      |                                                                                          | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                                                                                                |                                                        | Ends / Extremos:<br><b>NORMAL BEVEL<br/>BISELADO NORMAL</b>                                  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH<br/>219.1 X 15.1 MM</b>                                         | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT<br/>12.10 / 12.70 MTS</b>                      | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT                      2975857.158 LB<br/>17845.081 MTS                      1349825.000 KG</b> |                                                        | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT<br/>75.92 KG/M</b>                          |

## MARKING / MARCACIÓN

| Marking<br>Marcación                                                                                                        |                                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Production Order O.P. *****<br>Heat number #C****;<br>Pipe number #N*****;<br>Pipe length in Fts #P***;<br>API; Monogram ?; | Orden de Producción O.P. *****<br>Numero de colada #C****;<br>Número de secuencia #N*****;<br>Longitud de tubo en Fts #P***;<br>Monograma; API ?; |

## SUMMARY REPORT / REPORTE RESUMEN

| Heat N°<br>Colada N° | Quantity<br>Cantidad<br>(Pieces) | Length<br>Longitud<br>(ft)                      (m) |           | Weight<br>Peso<br>(Tons) |
|----------------------|----------------------------------|-----------------------------------------------------|-----------|--------------------------|
|                      |                                  | (ft)                                                | (m)       |                          |
| 42684                | 131                              | 5,425.53                                            | 1,653.701 | 125.171                  |
| 42685                | 90                               | 3,729.79                                            | 1,136.84  | 85.925                   |
| 42686                | 110                              | 4,549.18                                            | 1,386.59  | 104.915                  |
| 42687                | 135                              | 5,581.14                                            | 1,701.13  | 128.798                  |
| 42688                | 137                              | 5,664.7                                             | 1,726.6   | 130.98                   |
| 42689                | 101                              | 4,177.85                                            | 1,273.41  | 96.375                   |
| 42690                | 98                               | 4,045.93                                            | 1,233.2   | 93.126                   |

| Heat N°<br>Colada N° | Quantity<br>Cantidad<br>(Pieces) | Length<br>Longitud<br>(ft)                      (m) |          | Weight<br>Peso<br>(Tons) |
|----------------------|----------------------------------|-----------------------------------------------------|----------|--------------------------|
|                      |                                  | (ft)                                                | (m)      |                          |
| 42691                | 122                              | 5,050.82                                            | 1,539.49 | 115.975                  |
| 42692                | 95                               | 3,921.26                                            | 1,195.2  | 90.273                   |
| 42693                | 83                               | 3,433.79                                            | 1,046.62 | 79.148                   |
| 42694                | 115                              | 4,750.43                                            | 1,447.93 | 109.905                  |
| 42695                | 101                              | 4,170.08                                            | 1,271.04 | 95.934                   |
| 42696                | 98                               | 4,046.36                                            | 1,233.33 | 93.3                     |

|                                                       |        |                                                  |        |
|-------------------------------------------------------|--------|--------------------------------------------------|--------|
| Average length per pipe<br>Longitud promedio por tubo |        | Nominal weight per pipe<br>Peso nominal por tubo |        |
| (ft)                                                  | (m)    | (lb/ft)                                          | (kg/m) |
| 41.347                                                | 12.602 | 50.829                                           | 75.641 |

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|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                        |                                      | Customer's Order Item / Orden Cliente - Ítem:<br><b>212-00794-01 R1 ITEM 1</b>                 | Customer's Reference / Ref. del Cliente:<br><b>N/A</b>                                 | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b>                         |
| Manufacturing Process / Proceso de Manufactura:<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 SIN COSTURA</b> |                                                                                        | Surface / Superficie:<br><b>See supplementary information.</b><br><b>Ver notas suplementarias.</b> |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018, QCP: 6859 REV. 0</b>                |                                      |                                                                                                | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                              | Ends / Extremos:<br><b>NORMAL BEVEL</b><br><b>BISELADO NORMAL</b>                                  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH</b><br><b>219.1 X 15.1 MM</b>                                         | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT</b><br><b>12.10 / 12.70 MTS</b>                      | Quantity / Cantidad: <b>1416 Pcs/Pz</b><br><b>58546.854 FT</b><br><b>17845.081 MTS</b> | Nominal Weight / Peso Nominal:<br><b>2975857.158 LB</b><br><b>1349825.000 KG</b>                   |
| <b>51.00 LB/FT</b><br><b>75.92 KG/M</b>                                                                                  |                                      |                                                                                                |                                                                                        |                                                                                                    |

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.

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 origen.

|  |  |                                              |                                                                                                                                                                                  |                                                                                                                                                                                                             |
|--|--|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | <b>CUSTOMER . THIRD PARTY</b>                | <b>TENARIS QUALITY DEPARTMENT SIGNATURE</b>                                                                                                                                      |                                                                                                                                                                                                             |
|  |  | INSPECTION COMPANY<br>COMPAÑIA DE INSPECCIÓN |                                                                                                                                                                                  |                                                                                                                                                                                                             |
|  |  | CLIENTE<br>CLIENTE                           |                                                                                                                                                                                  |                                                                                                                                                                                                             |
|  |  |                                              | <br>QUALITY CERTIFICATION DEPT.<br>DEPTO. DE CERTIFICACIÓN DE CALIDAD<br>Alejandro Rodal Vela | <br>CHIEF OF QUALITY CERTIFICATION DEPT.<br>RESPONSABLE DEL DEPTO. DE CERTIFICACIÓN DE CALIDAD<br>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 "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.



# ATTACHMENT OF QUALIFICATION PIPE TEST

## ANEXO DE PRUEBAS DE CALIFICACIÓN

Number / Número:

OP 376638

Page / Página:

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Date / Día: December 01, 2021

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

|                                                                                                                    |  |                                      |                                                                                          |                                                                     |                                                           |                      |                                                                            |                                                                                              |  |
|--------------------------------------------------------------------------------------------------------------------|--|--------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------|----------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|--|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                  |  |                                      | Customer's Order Item / Orden Cliente - Ítem:<br><b>212-00794-01 R1 ITEM 1</b>           |                                                                     | Customer's Reference / Ref. del Cliente:<br><b>N/A</b>    |                      | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b> |                                                                                              |  |
| Manufacturing Process / Proceso de Manufactura:<br><b>SEAMLESS HOT ROLLED<br/>LAMINADO EN CALIENTE SIN COSTURA</b> |  |                                      | Product Type / Tipo de Producto:<br><b>SEAMLESS LINE PIPE<br/>CONDUCCION SIN COSTURA</b> |                                                                     |                                                           |                      |                                                                            | Surface / Superficie:<br><b>See supplementary information.<br/>Ver notas suplementarias.</b> |  |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018,QCP: 6859 REV. 0</b>           |  |                                      |                                                                                          |                                                                     | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b> |                      |                                                                            | Ends / Extremos:<br><b>NORMAL BEVEL<br/>BISELADO NORMAL</b>                                  |  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH<br/>219.1 X 15.1 MM</b>                                         |  | Schedule / Cédula:<br><b>SCH 100</b> |                                                                                          | Length / Longitud:<br><b>39.70 / 41.67 FT<br/>12.10 / 12.70 MTS</b> |                                                           | Quantity / Cantidad: |                                                                            | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT<br/>75.92 KG/M</b>                          |  |

## TENSILE TEST / ENSAYO DE TENSIÓN

| 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. ensayo | Y.S.                       | U.T.S.            | Y.S./U.T.S | Elongation / Alargamiento |      |                             |
|----------------------|-------------------------|-----------------------------------------------|----|--------------|-----|--------------------------------------------------|-----------------|---------------------------|----------------------------|-------------------|------------|---------------------------|------|-----------------------------|
|                      |                         | Ls                                            | Sc | Type<br>Tipo | Ori | Size<br>Tamaño                                   | Area<br>Sección |                           | Req.                       | Req. Max.<br>0.93 | Lo         | Min.                      | Obt. |                             |
|                      |                         |                                               |    |              |     |                                                  |                 |                           | Min: 60 200<br>Max: 81 900 |                   |            |                           |      | Min: 75 400<br>Max: 110 200 |
|                      |                         |                                               |    |              |     |                                                  |                 |                           | mm                         |                   |            |                           |      | mm2                         |
| 42693                | 51831                   | B                                             | AM | Ss           | L   | 38.18 X 15.55                                    | 597.1           | RT                        | 70 831                     | 81 028            | 0.87       | 2                         | 25.1 | 44.0                        |

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

## CHEMICAL COMPOSITION / COMPOSICIÓN QUÍMICA

|                      |                         |     | Composition % / Composición % |    |     |    |    |        |    |     |    |    |     |     |    |    |    |         |    |    |       |     |        |      |       |
|----------------------|-------------------------|-----|-------------------------------|----|-----|----|----|--------|----|-----|----|----|-----|-----|----|----|----|---------|----|----|-------|-----|--------|------|-------|
|                      |                         |     | X 100                         |    |     |    |    | X 1000 |    |     |    |    |     |     |    |    |    | X 10000 |    |    | X 100 |     |        |      |       |
|                      |                         |     | C                             | Mn | Si  | Mo | Cr | P      | S  | V   | Nb | Ni | Cu  | Sn  | Al | Ti | As | B       | Ca | N  | Ce. 1 | PCM | Col. 1 | Col. |       |
| Heat N°<br>Colada N° | Sample N°<br>Muestra N° | H   | Max                           | -- | --  | -- | -- | --     | -- | --  | -- | -- | --  | --  | -- | -- | -- | --      | -- | -- | --    | --  | --     | --   |       |
|                      |                         | Min | --                            | -- | --  | -- | -- | --     | -- | --  | -- | -- | --  | --  | -- | -- | -- | --      | -- | -- | --    | --  | --     | --   |       |
| Heat N°<br>Colada N° | Sample N°<br>Muestra N° | P   | Max                           | 16 | 165 | 45 | 50 | 50     | 20 | 10  | 80 | 50 | 500 | 500 | -- | 60 | 40 | --      | 5  | -- | 120   | 41  | 25     | --   | --    |
|                      |                         | Min | --                            | -- | --  | -- | -- | --     | -- | --  | -- | -- | --  | --  | -- | -- | -- | --      | -- | -- | --    | --  | --     | --   | --    |
| 42693                | 51831                   | P   |                               | 7  | 112 | 22 | 10 | 13     | 11 | 2.2 | 32 | 20 | 200 | 100 | 7  | 28 | 3  | 3       | 3  | 8  | 30    | 33  | 16     | 5.5  | 933.3 |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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## ATTACHMENT OF QUALIFICATION PIPE TEST ANEXO DE PRUEBAS DE CALIFICACIÓN

Number / Número:

OP 376638

Page / Página:

2 / 3

Date / Día: December 01, 2021

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

|                                                                                                                    |                                      |                                                                                          |                                                                                |                                                        |                                                                                              |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                  |                                      |                                                                                          | Customer's Order Item / Orden Cliente - Ítem:<br><b>212-00794-01 R1 ITEM 1</b> | Customer's Reference / Ref. del Cliente:<br><b>N/A</b> | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b>                   |
| Manufacturing Process / Proceso de Manufactura:<br><b>SEAMLESS HOT ROLLED<br/>LAMINADO EN CALIENTE SIN COSTURA</b> |                                      | Product Type / Tipo de Producto:<br><b>SEAMLESS LINE PIPE<br/>CONDUCCION SIN COSTURA</b> |                                                                                |                                                        | Surface / Superficie:<br><b>See supplementary information.<br/>Ver notas suplementarias.</b> |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018,QCP: 6859 REV. 0</b>           |                                      |                                                                                          | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b>                      |                                                        | Ends / Extremos:<br><b>NORMAL BEVEL<br/>BISELADO NORMAL</b>                                  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH<br/>219.1 X 15.1 MM</b>                                         | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT<br/>12.10 / 12.70 MTS</b>                      |                                                                                | Quantity / Cantidad:                                   | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT<br/>75.92 KG/M</b>                          |

### CHEMICAL COMPOSITION / COMPOSICIÓN QUÍMICA

|                                              |                  |                       |                                      |
|----------------------------------------------|------------------|-----------------------|--------------------------------------|
| Ce. 1: Carbon equivalent/Carbono equivalente | Col. 2: REL A/N  | Max: Maximum / Máximo | P: Product / Producto                |
| Col. 1: SUMA Nb+V+Ti                         | H: Heat / Colada | Min: Minimum / Mínimo | PCM: Percentage of cracking material |

### THROUGH WALL HARDNESS / DUREZA EN EL ESPESOR

| Required values<br>Valores requeridos |                         | Individuals / Individuales |         |         | Average / Promedio |         |                 | Hardness type/Tipo de dureza:HV10 |       |       |       |       |       |       |       |       |       |       |       |       |       |      |      |
|---------------------------------------|-------------------------|----------------------------|---------|---------|--------------------|---------|-----------------|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
|                                       |                         | Min: --                    | Max: -- | Var: -- | Min: --            | Max: -- | Var: --         |                                   |       |       |       |       |       |       |       |       |       |       |       |       |       |      |      |
| Heat N°<br>Colada N°                  | Sample N°<br>Muestra N° | Specimen condition         |         |         |                    | Quad.   | Scale<br>Escala | OD                                |       |       |       |       | MW    |       |       |       |       | ID    |       |       |       |      | Var. |
|                                       |                         | Ls                         |         | Sc      |                    |         |                 | 1                                 | 2     | 3     | 4     | Avg.  | 1     | 2     | 3     | 4     | Avg.  | 1     | 2     | 3     | 4     | Avg. |      |
| 42693                                 | 51831                   | B                          |         | AM      |                    | 1       | HV              | 190.0                             | 189.0 | 191.0 | 189.0 | 189.8 | 180.0 | 179.0 | 178.0 | 178.8 | 184.0 | 188.0 | 184.0 | 186.0 | 185.5 | 2.0  |      |

|                                                    |                                                  |                                         |                                                  |
|----------------------------------------------------|--------------------------------------------------|-----------------------------------------|--------------------------------------------------|
| AM: As manufactured / Según proceso de fabricación | ID: Internal diameter / Diámetro interno         | Min: Minimum / Mínimo                   | Quad: Quadrant / Cuadrante                       |
| Avg: Average / Promedio                            | Ls: Location of sample / Ubicación de la muestra | MW: Middle wall / Centro                | Sc: Specimen condition / Condición de la probeta |
| B: Body / Cuerpo                                   | Max: Maximum / Máximo                            | OD: Outside diameter / Diámetro externo | Var: Variation / Variación                       |

### IMPACT TEST / ENSAYO DE IMPACTO

|                               |                         |                                   |    |           |                     |                             |     |     |      |                                               |     |     |      |
|-------------------------------|-------------------------|-----------------------------------|----|-----------|---------------------|-----------------------------|-----|-----|------|-----------------------------------------------|-----|-----|------|
| Type/Tipo: <b>CHARPY V</b>    |                         | Orientation/Orientación: <b>T</b> |    |           |                     | Unit / Unidad: <b>ft.lb</b> |     |     |      | Shear area / Área dúctil <b>%</b>             |     |     |      |
| Position/Posición: <b>N/A</b> |                         | Temp: <b>-20</b>                  |    |           |                     | Unit/Unidad: <b>°F</b>      |     |     |      | Ind.Min.Reg: <b>15</b> Req.Min.Avg: <b>20</b> |     |     |      |
| Heat N°<br>Colada N°          | Sample N°<br>Muestra N° | Ls                                | Sc | T.T<br>°F | Size / Tamaño<br>mm | Results / Resultados        |     |     |      | Results / Resultados                          |     |     |      |
|                               |                         |                                   |    |           |                     | 1                           | 2   | 3   | Avg. | 1                                             | 2   | 3   | Avg. |
| 42693                         | 51831                   | B                                 | AM | -20       | 10 x 10             | 306                         | 310 | 313 | 310  | 100                                           | 100 | 100 | 100  |

|                                                    |                             |                                                    |                              |
|----------------------------------------------------|-----------------------------|----------------------------------------------------|------------------------------|
| AM: As manufactured / Según proceso de fabricación | Requerido Mínimo Individual | Req. Min. Avg: Required minimum average / Promedio | T: Transversal / Transversal |
|----------------------------------------------------|-----------------------------|----------------------------------------------------|------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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# ATTACHMENT OF QUALIFICATION PIPE TEST

## ANEXO DE PRUEBAS DE CALIFICACIÓN

Number / Número:

OP 376638

Page / Página:

3 / 3

Date / Día: December 01, 2021

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  
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|                                                                                                                    |                                      |                                                                                          |                                                           |                                                        |                                                                                              |
|--------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Customer / Cliente: <b>HILCORP ENERGY COMPANY</b>                                                                  |                                      | Customer's Order Item / Orden Cliente - Ítem:<br><b>212-00794-01 R1 ITEM 1</b>           |                                                           | Customer's Reference / Ref. del Cliente:<br><b>N/A</b> | Manufacturer's Works Order N° / Confirmación de Venta:<br><b>295897/01</b>                   |
| Manufacturing Process / Proceso de Manufactura:<br><b>SEAMLESS HOT ROLLED<br/>LAMINADO EN CALIENTE SIN COSTURA</b> |                                      | Product Type / Tipo de Producto:<br><b>SEAMLESS LINE PIPE<br/>CONDUCCION SIN COSTURA</b> |                                                           |                                                        | Surface / Superficie:<br><b>See supplementary information.<br/>Ver notas suplementarias.</b> |
| Standard or Specification / Normas o Especificaciones:<br><b>API 5L ED46/APRIL 2018,QCP: 6859 REV. 0</b>           |                                      |                                                                                          | Steel Grade / Grado de acero:<br><b>X60QO-L415QO PSL2</b> |                                                        | Ends / Extremos:<br><b>NORMAL BEVEL<br/>BISELADO NORMAL</b>                                  |
| Dimensions / Dimensiones:<br><b>8.625 X 0.594 INCH<br/>219.1 X 15.1 MM</b>                                         | Schedule / Cédula:<br><b>SCH 100</b> | Length / Longitud:<br><b>39.70 / 41.67 FT<br/>12.10 / 12.70 MTS</b>                      | Quantity / Cantidad:                                      |                                                        | Nominal Weight / Peso Nominal:<br><b>51.00 LB/FT<br/>75.92 KG/M</b>                          |

### IMPACT TEST / ENSAYO DE IMPACTO

|                                              |                                                                             |                                                  |                                 |
|----------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------|---------------------------------|
| Avg: Average / Promedio                      | Ind. Min. Req: Individual Minimum Required /<br>Requerido Mínimo Individual | mínimo requerido                                 | Temp: Temperature / Temperatura |
| B: Body / Cuerpo                             | Ls: Location of sample / Ubicación de la muestra                            | Sc: Specimen condition / Condición de la probeta |                                 |
| Ind. Min. Req: Individual Minimum Required / |                                                                             | T.T: Test temperature / Temperatura de ensayo    |                                 |

### SUPPLEMENTARY INFORMATION / INFORMACION SUPLEMENTARIA

|                                                                                                                                                                                                                                                                               |                                                                        |                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Supplementary Information<br>Información Suplementaria                                                                                                                                                                                                                        |                                                                        |                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                   |
| THE RESULTS FOR THE TEST COMPLIES WITH THE TECHNICAL REQUIREMENTS &<br>MANUFACTURING PROCEDURE SPECIFICATION APPROVED BY THE CUSTOMER                                                                                                                                         |                                                                        | LOS RESULTADOS DE LAS PRUEBAS CUMPLEN CON LOS REQUERIMIENTOS TECNICOS Y<br>ESPECIFICACIONES DE PROCEDIMIENTOS DE FABRICACION APROBADOS POR EL CLIENTE                                                                                                                    |                                                                                                                                                                                                                   |
| 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.<br>This certificate is not a declaration of origin nor may it be used as a declaration of origin. |                                                                        | 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.<br>Este certificado no es, ni puede ser usado, como declaración de origen. |                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                               | <b>CUSTOMER . THIRD PARTY</b>                                          | <b>TENARIS QUALITY DEPARTMENT SIGNATURE</b>                                                                                                                                                                                                                              |                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                               | INSPECTION COMPANY<br>COMPAÑÍA DE INSPECCIÓN<br><br>CLIENTE<br>CLIENTE | <br><br>QUALITY CERTIFICATION DEPT.<br>DEPTO. DE CERTIFICACIÓN DE CALIDAD<br>Alejandro Rodal Vela                                                                                   | <br><br>CHIEF OF QUALITY CERTIFICATION DEPT.<br>RESPONSABLE DEL DEPTO. DE CERTIFICACIÓN DE CALIDAD<br>Angel César Alemán Gil |

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