

EA-100666



REPORTE DE CALIDAD DE TUBERIA (Quality Report)

Cód: FP-DQ-08-01

Edición (Edition Code): 0
Revisión (Revision): 1
Fecha de Rev (Date of Revision):
04 Septiembre 2014

SISTEMA DE GESTION DE CALIDAD
(QUALITY MANNAGMENT SYSTEM)

| Requerimiento (Requez) | 5003638 | Cliente (Customer) | ACEROS TEPOTZTLAN | Remisión (Remission) | 5018472 | Fecha (Date) | 21/02/2007 | REPORTE FS (Report No.) | 21022017-22 | | | | | | | | | | | | | | |
|---|----------|--------------------|-------------------|------------------------------|------------|-----------------------|------------|-----------------------------|-------------|------------------------|-----------|----------------|---------|---------------------------|--------|--------------------------|--------|---|-------|---|-------|-------------------------------|---|
| Tipo de Producto (Type of Pipe/Delivery Condition): | HSS | Medida (Size) | 12" X 12" | Esosor (Thickness) pulg (in) | 0.500 | Longitud (Length) mts | 12.2 | Longitud (Length) pies (ft) | 40.0 | Norma (Specification): | ASTM A570 | Grado (Grade): | Grado B | Peso Unitario (mass) lbs. | 3044.8 | Peso Unitario (mass) Kg. | 1381.0 | Peso Lineal (Mass per meter) lbs. X pie | 76.07 | Peso Lineal (Mass per meter) kg. X mtr. | 113.2 | Números de Tubo (Pipe Number) | 7 |
| No. Lote (Lote No.) | 1330 | 1330-32-10 | 1330-27-14 | 1330-32-11 | 1330-32-12 | 1330-32-13 | | | | | | | | | | | | | | | | | |
| No. Cobada (Heat) | 16337652 | 16337653 | | | | | | | | | | | | | | | | | | | | | |

| Composición Química del Acero (Steel Chemical Composition) | | | | | | | | | | | | | | | | | | | | | | | |
|--|-------|-----------|------------|------------|-------|--------|-------|-------|-------|--------|-------|---|---|---------------------------|--|--|--|--|--|--|--|--|--|
| C | Si | Mn | P | S | V | Nb | Cr | Cu | Ni | Mo | Clw | Propiedades mecánicas del Acero de la Tuberia (Steel Mechanical's Properties) | | | | | | | | | | | |
| | | | | | | | | | | | | Limite Tracción (Tensile Strength) KSI (MPA) | Limite Elástico (Yield Point) KSI (MPA) | % Elongación (Elongation) | | | | | | | | | |
| 0.26 MAX. | 0.168 | 1.35 MAX. | 0.035 MAX. | 0.035 MAX. | 0.01 | 0.0024 | 0.049 | 0.085 | 0.014 | 0.0083 | 0.419 | 58 (400) MIN | 46 (315) MIN. | 23 MIN. | | | | | | | | | |
| 0.147 | 0.223 | 0.934 | 0.013 | 0.0005 | 0.003 | 0.0022 | 0.031 | 0.062 | 0.04 | 0.0005 | 0.379 | 71.32(491) | 54.12(373) | 35 | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

Autorizá (Approve):

ING. INIGO SANCHEZ VILLARREAL
Ingeniero en Mecánica y Metalurgia
Quality Assurance

Este certificado ampara los números de serie de los tubos manifestados, los cuales fueron fabricados, inspeccionados y aceptados de acuerdo a los requerimientos de las especificaciones arriba mencionadas, FORZA STEEL no garantiza el producto que sea utilizado inapropiadamente. (There no is guarantee on the use of these products for applications that are outside of the scope of the specification, or the inappropriate use of them")