

CERTIFICADO PATRON DE CND

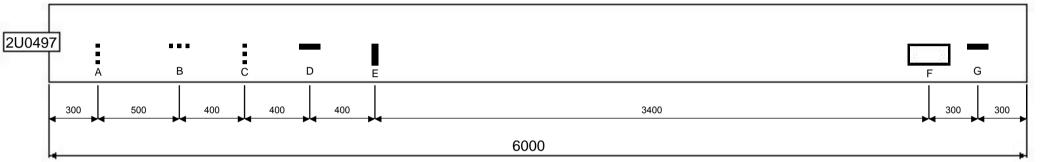
TEND

NDT Reference Standard Certificate

Tubo patrón número
Reference standard #

2U0497

| Datos del Producto Product Information | | | | | | | | | |
|--|-------|---------------------------------------|--------------------|-----------------------------------|-----------|--|--|--|--|
| Diametro [mm] | 168,3 | Cliente Client | HAYAN PETROLEUM | Ciclo Product | 70784 | | | | |
| Espesor [mm] Wall Thickness | 15,3 | Tratamiento Termico Heat Treatment | SI | Colada _{Heat} | 34771 | | | | |
| Trazabilidad Traceability | 8 | | | Expediente Manufacturing Order | 5/4124-12 | | | | |



Valores Pedidos / Requested Values

Valores Medidos / Measured Values

| Posicion Position | Tipo de Notch Notch Type | Ancho / Diam Max [mm] Max Width / Diam | Profundidad Nominal [%] Depth | Tolerancia [%] Tolerance | Profundidad Maxima [mm] Max Depth | Profundidad Minima [mm] Min Depth | Profundidad Nominal [mm] Nom Depth | Longitud Maxima [mm] Max Length | Longitud [mm] Length | Profundida d A [mm] Depth A | Profundida d B [mm] Depth B | Ancho / Diam [mm] Width / Diam | Responsable Responsible | Fecha Date |
|----------------------|---|--|-------------------------------------|--------------------------------|---|---|--|--|----------------------------|-----------------------------------|-----------------------------------|--------------------------------------|----------------------------|---------------|
| Α | Transversal Interno Transverse ID | 1,00 | 5 | ±15 | 0,880 | 0,650 | 0,765 | 50,00 | 40,00 | 0,775 | 0,822 | 0,95 | Dante Antunez | 19/01/09 |
| В | Longitudinal Interno Longitudinal ID | 1,00 | 5 | ±15 | 0,880 | 0,650 | 0,765 | 50,00 | 48,80 | 0,825 | 0,823 | 0,92 | Dante Antunez | 19/01/09 |
| С | Transversal Interno Transverse ID | 1,00 | 5 | ±15 | 0,880 | 0,650 | 0,765 | 50,00 | 40,50 | 0,753 | 0,843 | 0,92 | Dante Antunez | 19/01/09 |
| D | Longitudinal Externo longitudinal OD | 1,00 | 5 | ±15 | 0,880 | 0,650 | 0,765 | 50,00 | 48,80 | 0,808 | 0,818 | 0,93 | Dante Antunez | 19/01/09 |
| E | Transversal Externo Transverse OD | 1,00 | 5 | ±15 | 0,880 | 0,650 | 0,765 | 50,00 | 41,70 | 0,839 | 0,829 | 0,94 | Dante Antunez | 19/01/09 |
| F | Chavetero Grove | 6,00 | 50 | +40-0 | 10,710 | 7,650 | 7,650 | 15,00 | 15,00 | 7,300 | 7,300 | 5,70 | Dante Antunez | 19/01/09 |
| G | Longitudinal Externo Iongitudinal OD | 1,00 | 5 | ±15 | 0,880 | 0,650 | 0,765 | 50,00 | 48,70 | 0,840 | 0,844 | 0,93 | Dante Antunez | 19/01/09 |

Notas:

1.-Todas las dimensiones son en milimetros excepto que se indique lo contrario.

2.-Minima Profundidad Nominal de las ranuras 0.3 mm.

CERTIFICADO CON REPLICA SI

Notes:

- 1.-All dimensions in milimeters unless stated.
- 2.-Minimum notch nominal depth 0.3 mm.

CERTIFIED WITH PLASTIC REPLICA YES

Fecha Date 19/01/2009 02:45:23 p.m. Hoja Page 1/2 Documento Vigencia

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| Datos del Producto Product Information | | | | | | | | |
|--|-------|---------------------|--------------------|-----------------------------------|-----------|--|--|--|
| Diametro [mm] Diameter | 168,3 | Cliente Client | HAYAN PETROLEUM | Ciclo Product | 70784 | | | |
| Espesor [mm] Wall Thickness | 15,3 | Tratamiento Termico | SI | Colada _{Heat} | 34771 | | | |
| Trazabilidad Traceability | 8 | | | Expediente Manufacturing Order | 5/4124-12 | | | |

Instrumentos de Medicion Utilizados:

Calibre Pie de Rey Codigo:

Proyector de Perfiles Mitutoyo PJ-A3000 Codigo: 302-711A

Notas:

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CERTIFICADO CON REPLICA SI

Notes:

1.-All dimensions in milimeters unless stated.

2.-Minimum notch nominal depth 0.3 mm.

CERTIFIED WITH PLASTIC REPLICA YES