

CERTIFICADO PATRON DE CND

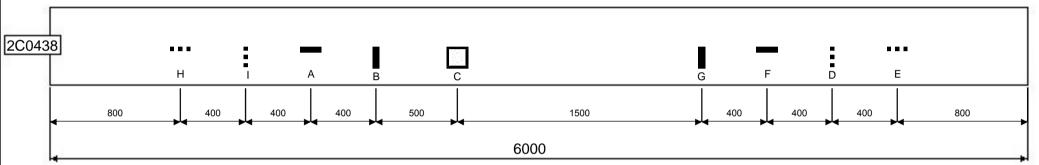
TEND

NDT Reference Standard Certificate

Tubo patrón número
Reference standard #

2C0438

| Datos del Producto Product Information | | | | | | | | | | |
|---|------|---------------------------------------|----|-----------------------------------|-------|--|--|--|--|--|
| Diametro [mm] 219,08 Cliente CASAJUNU Ciclo Product 649 | | | | | | | | | | |
| Espesor [mm] Wall Thickness | 8,94 | Tratamiento Termico Heat Treatment | SI | Colada _{Heat} | 69508 | | | | | |
| Trazabilidad Traceability | 60 | | | Expediente Manufacturing Order | | | | | | |



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 | Longitudinal Externo longitudinal OD | 0,86 | 5 | ±15 | 0,514 | 0,380 | 0,447 | 45,00 | 45,00 | 0,475 | 0,468 | 0,86 | Daniel Carcacha | 07/05/10 |
| В | Transversal Externo Transverse OD | 1,00 | 5 | ±15 | 0,514 | 0,380 | 0,447 | 50,00 | 0,43 | 0,499 | 0,465 | 0,85 | Daniel Carcacha | 07/05/10 |
| С | Reduccion de Espesor Externo | 25,40 | 13 | ±0 | 1,118 | 1,118 | 1,118 | 25,40 | 25,00 | - | - | 25,00 | Dante Antunez | 07/05/10 |
| D | Transversal Interno Transverse ID | 1,00 | 10 | ±15 | 1,028 | 0,760 | 0,894 | 50,00 | 40,00 | 1,019 | 1,020 | 0,88 | Daniel Carcacha | 07/05/10 |
| E | Longitudinal Interno Longitudinal ID | 0,85 | 10 | ±15 | 1,028 | 0,760 | 0,894 | 46,00 | 46,00 | 0,995 | 0,981 | 0,85 | Daniel Carcacha | 07/05/10 |
| F | Longitudinal Externo longitudinal OD | 1,00 | 10 | ±15 | 1,028 | 0,760 | 0,894 | 50,80 | 48,00 | 1,002 | 1,005 | 0,87 | Default Default | 29/08/11 |
| G | Transversal Externo Transverse OD | 1,00 | 10 | ±15 | 1,028 | 0,760 | 0,894 | 50,80 | 43,20 | 0,935 | 0,976 | 0,96 | Default Default | 20/09/12 |
| Н | Longitudinal Interno Longitudinal ID | 1,00 | 5 | ±15 | 0,514 | 0,380 | 0,447 | 50,80 | 50,80 | 0,501 | 0,498 | 0,89 | Default Default | 03/11/12 |

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

OT-PMANT Fecha 03/11/2012 Hoja 1/2 Documento TAND-001-05 Vigencia 17/04/2006



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| Datos del Producto Product Information | | | | | | | | | |
|--|------------------|---------------------------------------|----|-----------------------------------|-------|--|--|--|--|
| Diametro [mm] | Ciclo Product | 64938 | | | | | | | |
| Espesor [mm] Wall Thickness | 8,94 | Tratamiento Termico Heat Treatment | SI | Colada _{Heat} | 69508 | | | | |
| Trazabilidad Traceability | 60 | | | Expediente Manufacturing Order | | | | | |

| _ | | | | | | | | | | | | | | | |
|---|----------------------|-----------------------------------|--|-------------|-----|---|-------|---------------------------|--|----------------------------|-----------------------------------|-----------------------------------|--------------------------------------|----------------------------|---------------|
| | Posicion Position | Tipo de Notch Notch Type | Ancho / Diam Max [mm] Max Width / Diam | Nominal [%] | | Profundidad Maxima [mm] Max Depth | | 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 |
| | | Transversal Interno Transverse ID | 1,00 | 5 | ±15 | 0,514 | 0,380 | 0,447 | 50,80 | 39,00 | 0,512 | 0,513 | 0,92 | Default Default | 03/11/12 |

Instrumentos de Medicion Utilizados:

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

Calibre Pie de Rey Codigo:

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