

CONEXIÓN SOLDABLE

CARR. MTY-LAREDO KM. 24.2

APARTADO POSTAL 43 C.P. 65550 CIÉNEGA DE FLORES, N.L., MÉXICO

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Certificate Q5377

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|--|---|--------------------------------------|
| CERTIFICADO DE CALIDAD No.: 8142 CERTIFIED TEST REPORT: | LISTA DE EMPAQUE : 5012 PACKING LIST: | FECHA: DICIEMBRE 20 de 2001 DATE: |
| VENDIDO A: FERRETERA ANAHUAC, S.A. DE C.V. SOLD TO: AVE. VALLE DE LAS ALAMEDAS No. 66 SAN FRANCISCO C TULTITLAN, MEXICO, D.F. | PEDIDO DEL CLIENTE No. CUSTOMERS ORDER No. | EMBARCADO A: SHIP TO: LOS MISMOS |

PRUEBAS MECANICAS

| CANT. | COLADA HEAT CODE | DESCRIPTION | ESF. DE CEDENCIA YIELD STRENGTH (PSI) | ESF. RUPTURA TENSILE STRENGTH (PSI) | ELONGACION ELONGATION % 2" | DUREZA HARDNESS HB |
|-------|---------------------|----------------------------|---|---|----------------------------------|--------------------------|
| 68 | VM4 | CODO R.C. 2 X 90 CED STD | 49762 | 67886 | 33 | 130 |
| 170 | VL4 | CODO R.L. 6 X 90 CED STD | 46163 | 68910 | 39 | 139 |
| 52 | VG4 | CODO R.L. 6 X 90 CED XS | 42507 | 69365 | 41 | 143 |
| 4 | NZ4 | CODO R.L. 6 X 90 CED XS | 55373 | 75372 | 33 | 126 |
| 20 | NL4 | TEE 16 CED STD | 45920 | 67904 | 38 | 147 |
| 15 | IJ4 | RED. CONC. 16 X 10 CED STD | 45169 | 68093 | 32 | 147 |

ANALISIS QUIMICO

| COLADA HEAT CODE | C.E. | C | Mn | P | S | Si | Cr | Cu | Mo | Ni | V | Nb |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| VM4 | 0.313 | 0.120 | 1.050 | 0.011 | 0.003 | 0.370 | 0.030 | 0.112 | 0.010 | 0.040 | 0.001 | 0.001 |
| VL4 | 0.306 | 0.180 | 0.660 | 0.008 | 0.002 | 0.280 | 0.040 | 0.056 | 0.015 | 0.020 | 0.000 | 0.000 |
| VG4 | 0.309 | 0.180 | 0.660 | 0.007 | 0.004 | 0.260 | 0.040 | 0.080 | 0.017 | 0.040 | 0.000 | 0.000 |
| NZ4 | 0.323 | 0.187 | 0.735 | 0.004 | 0.000 | 0.268 | 0.028 | 0.081 | 0.008 | 0.001 | 0.002 | 0.000 |
| NL4 | 0.295 | 0.182 | 0.597 | 0.001 | 0.004 | 0.283 | 0.037 | 0.080 | 0.002 | 0.001 | 0.002 | 0.000 |
| IJ4 | 0.307 | 0.160 | 0.660 | 0.007 | 0.003 | 0.280 | 0.040 | 0.300 | 0.034 | 0.030 | 0.000 | 0.000 |

LOS PRODUCTOS MANUFACTURADOS POR EMPRESAS RIGA, S.A. de C.V. ESTAN CONFORME A LAS SIGUIENTES ESPECIFICACIONES:

CC-008

PRODUCTS MANUFACTURED BY EMPRESAS RIGA, S.A. de C.V. ARE CONFORMING TO FOLLOWING SPECIFICATIONS:

STARTING MATERIAL SEAMLESS PIPE ASTM A-106 GRADE B.

ASTM A-234 WPB, ASME A 234 WPB, ANSI B 16.9 Y ANSI B16.28, NACE MR 0175

 CONEXIONES SIN COSTURA, FORJADO EN CALIENTE Y NORMALIZADO
 SEAMLESS FITTINGS, HOT FORMED AND NORMALIZED

GERENTE CONTROL DE CALIDAD:

QUALITY CONTROL MANAGER:


ING. JOSÉ MARTÍNEZ MACÍAS.