

EMPRESAS RIGA, S.A de C.V.

CONEXIÓN SOLOABLE

CARR. MTY-LAREDO KM. 24.2

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

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CERTIFICADO DE CALIDAD No.: 9136 CERTIFIED TEST REPORT:	LISTA DE EMPAQUE: 5450 PACKING LIST:	FECHA: AGOSTO 26 de 2002 DATE:
VENDIDO A: TUBOS MONTERREY, S.A. DE C.V. SOLD TO: PONIENTE 122 NO. 603 COL. IND. VALLE MEXICO,, D.F.		PEDIDO DEL CLIENTE No: CUSTOMERS ORDER No.
		EMBARCADO A: SHIP TO: LOS MISMOS

PRUEBAS MECANICAS

CANT	COLADA HEAT CODE	DESCRIPCION	ESF. DE CEDENCIA YIELD STRENGTH (PSI)	ESF. RUPTURA TENSILE STRENGTH (PSI)	ELONGACION ELONGATION % 2"	DUREZA HARDNESS HB
100	YA4	CODO 2 1/2 X 45 CED STD	68326	81536	30	140
500	GT5	CODO R.L. 2 1/2 X 90 CED STD	50036	73163	37	140
1	VT4	CODO 3 X 45 CED STD	51072	76608	31	132
56	BL5	CODO 3 X 45 CED STD	52982	74175	30	136
400	FS5	CODO R.L. 3 X 90 CED XS	41823	64158	36	143
400	EG5	CODO 4 X 45 CED STD	52322	72423	41	131
388	AR5	CODO R.L. 4 X 90 CED STD	56636	75089	35	129
320	FZ5	CODO R.L. 4 X 90 CED STD	49932	72693	41	132
312	GR5	CODO R.L. 4 X 90 CED STD	51345	74181	41	139
228	BQ5	CODO R.L. 4 X 90 CED XS	47856	72240	33	139
372	FF5	CODO R.L. 4 X 90 CED XS	45949	68141	41	137

ANALISIS QUIMICO

COLADA HEAT CODE	C.E.	C	Mn	P	S	Si	Cr	Cu	Mo	Ni	V	Nb
YA4	0.294	0.170	0.613	0.004	0.002	0.290	0.030	0.140	0.020	0.030	0.002	0.001
GT5	0.339	0.190	0.810	0.012	0.001	0.310	0.030	0.030	0.020	0.020	0.001	0.001
VT4	0.330	0.186	0.727	0.006	0.000	0.350	0.027	0.070	0.008	0.164	0.002	0.000
BL5	0.294	0.160	0.670	0.007	0.002	0.270	0.050	0.076	0.022	0.040	0.000	0.000
FS5	0.315	0.180	0.740	0.009	0.001	0.280	0.030	0.040	0.010	0.010	0.001	0.001
EG5	0.316	0.180	0.660	0.006	0.002	0.290	0.050	0.079	0.042	0.040	0.000	0.000
AR5	0.320	0.180	0.760	0.010	0.001	0.310	0.030	0.030	0.020	0.020	0.001	0.001
FZ5	0.349	0.190	0.810	0.009	0.001	0.390	0.050	0.060	0.040	0.030	0.001	0.001
GR5	0.354	0.200	0.840	0.006	0.002	0.270	0.030	0.040	0.020	0.020	0.001	0.001
BQ5	0.298	0.170	0.660	0.008	0.004	0.270	0.040	0.052	0.021	0.030	0.000	0.000
FF5	0.325	0.180	0.770	0.008	0.001	0.290	0.030	0.060	0.020	0.030	0.001	0.001

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

CC008

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

STARTING MATERIAL SEAMLESS PIPE ASTM A 106 GRADE B. ACCORDING TO DIN 50049/3.1. B / EN 10204/3.1. B

ASTM A 234 / ASME SA 234 WPB, ASME B16.9, ASME B16.28 AND NACE MR 0175.

GERENTE DE ASEGURAMIENTO DE CALIDAD:

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

QUALITY ASSURANCE MANAGER:

ING. JONH MARTINEZ MACIAS.

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