



EMPRESAS RIGA, S.A de C.V.

CONEXIÓN SOLDABLE

CARR. MTY-LAREDO KM. 24.2

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

TELS.- (8) 344-84-83, 344-84-45, 344-88-60

FAX: (8) 344-88-01



Certificate Q5377

CERTIFICADO DE CALIDAD No.: 8545 CERTIFIED TEST REPORT:	LISTA DE EMPAQUE: 5177 PACKING LIST:	FECHA: MARZO 22 de 2002 DATE:
VENDIDO A: FERRETERA ANAHUAC, S.A. DE C.V. SOLD TO: AVE. VALLE DE LAS ALMEDAS 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
272	SM4	CODO R.L. 3 X 90 CED STD	50977	74074	34	131
528	UU4	CODO R.L. 3 X 90 CED STD	55158	75791	31	140
135	QW4	CODO R.L. 3 X 90 CED XS	51072	70771	32	137
65	OB4	CODO R.L. 3 X 90 CED XS	53183	75655	30	133
144	NT4	CODO 6 X 45 CED STD	42647	71516	32	129
56	PW4	CODO 6 X 45 CED STD	55578	71718	31	150
600	SO4	CODO R.L. 6 X 90 CED STD	52087	73219	33	135
80	SD4	CODO R.L. 8 X 90 CED STD	44116	67553	33	140
60	PN4	CODO R.L. 8 X 90 CED STD	48442	73067	34	139
60	PG4	CODO R.L. 8 X 90 CED STD	47233	69992	31	139
110	ZN4	CODO R.L. 8 X 90 CED XS	43133	68782	41	143

ANALISIS QUIMICO

COLADA HEAT CODE	C.E.	C	Mn	P	S	Si	Gr	Cu	Mo	Ni	V	Nb
SM4	0.336	0.175	0.759	0.001	0.000	0.457	0.034	0.117	0.028	0.204	0.002	0.000
UU4	0.335	0.180	0.748	0.006	0.002	0.323	0.033	0.093	0.020	0.204	0.002	0.001
QW4	0.322	0.175	0.802	0.008	0.000	0.336	0.022	0.087	0.006	0.016	0.002	0.000
OB4	0.305	0.185	0.656	0.003	0.000	0.263	0.022	0.077	0.002	0.001	0.002	0.000
NT4	0.291	0.187	0.557	0.001	0.002	0.307	0.019	0.099	0.002	0.001	0.002	0.000
PW4	0.301	0.173	0.665	0.006	0.000	0.329	0.037	0.089	0.017	0.001	0.003	0.000
SO4	0.323	0.177	0.695	0.008	0.003	0.308	0.038	0.102	0.020	0.177	0.002	0.000
SD4	0.313	0.170	0.697	0.006	0.003	0.453	0.030	0.084	0.022	0.157	0.003	0.000
PN4	0.311	0.180	0.613	0.008	0.001	0.275	0.050	0.157	0.038	0.001	0.002	0.000
PG4	0.291	0.170	0.662	0.004	0.002	0.311	0.016	0.098	0.002	0.004	0.002	0.000
ZN4	0.294	0.170	0.650	0.006	0.002	0.260	0.030	0.062	0.020	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. 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.

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

GERENTE DE ASEGURAMIENTO DE CALIDAD:

QUALITY ASSURANCE MANAGER:

ING. JOSE MARTINEZ MACIAS.

e-mail jmartinez@empresasriga.com