



Certificate QS377

CERTIFICADO DE CALIDAD No.: CERTIFIED TEST REPORT:	8445	LISTA DE EMPAQUE: PACKING LIST:	5142	FECHA: DATE:	MARZO 7 de 2002
VENDIDO A: SOLD TO:	FERRETERA ANAHUAC AV. CALLES DE LAS ALMEDAS N. 66 SAN FRANCISCO CHILPAN TULT., 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
1	RO4	CODO 16 X 45 CED STD	53342	71161	37	142
1	KC4	CODO 16 X 45 CED STD	51858	70988	36	120
6	YM4	CODO R.L. 16 X 90 CED XS	43275	67772	44	146
20	HQ4	TEE 2 CED XS	50600	71900	36	125
100	GH4	TEE 2 1/2 CED STD	47800	71500	33	130
50	XF4	RED. CONC. 2 1/2 X 2 CED STD	57743	73903	41	133
100	UW4	RED. CONC. 3 X 2 1/2 CED STD	52223	70716	36	124
30	WX4	RED. CONC. 6 X 3 CED STD	45494	70973	37	141
50	WX4	RED. CONC. 6 X 4 CED STD	45494	70973	37	141
6	NA4	RED. CONC. 6 X 4 CED XS	41630	68129	40	126
9	LO4	RED. CONC. 6 X 4 CED XS	39515	69477	44	125

### ANALISIS QUIMICO

COLADA HEAT CODE	C.E.	C	Mn	P	S	Si	Cr	Cu	Mo	Ni	V	Nb
RO4	0.314	0.185	0.665	0.005	0.002	0.351	0.032	0.078	0.013	0.060	0.002	0.000
KC4	0.300	0.188	0.591	0.001	0.003	0.277	0.029	0.078	0.005	0.021	0.002	0.000
YM4	0.301	0.170	0.660	0.006	0.004	0.260	0.040	0.075	0.022	0.060	0.000	0.000
HQ4	0.313	0.160	0.800	0.008	0.003	0.210	0.070	0.010	0.020	0.020	0.000	0.000
GH4	0.342	0.200	0.760	0.013	0.002	0.220	0.050	0.020	0.010	0.030	0.002	0.000
XF4	0.318	0.180	0.690	0.005	0.002	0.260	0.040	0.080	0.028	0.060	0.000	0.000
UW4	0.311	0.170	0.680	0.006	0.001	0.270	0.050	0.077	0.045	0.050	0.000	0.000
WX4	0.326	0.170	0.830	0.006	0.002	0.270	0.040	0.068	0.011	0.040	0.000	0.000
WX4	0.326	0.170	0.830	0.006	0.002	0.270	0.040	0.068	0.011	0.040	0.000	0.000
NA4	0.303	0.170	0.670	0.004	0.002	0.280	0.040	0.072	0.026	0.050	0.000	0.000
LO4	0.311	0.180	0.690	0.008	0.002	0.270	0.040	0.058	0.005	0.040	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. ACORDING 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, FORIADO EN CALIENTE Y NORMALIZADO  
 SEAMLESS FITTINGS, HOT FORMED AND NORMALIZED

GERENTE DE ASEGURAMIENTO DE CALIDAD:

QUALITY ASSURANCE MANAGER:


**ING. JOSE MARTINEZ MACIAS.**

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