



FLM-005-7

PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

DIAMETRO: 16" ESPESOR DE PARED: 0.312" GRADO: ASTM A53-B

WALL THICKNESS

GRADE:

ASTM A53-B

ANALISIS QUIMICO % EN PESO

CHEMICAL ANALYSIS PERCENT WEIGHT

58 Kg/cm²

820 PSI

PRESSION HIDROSTATICA:

HIDROSTATIC TEST:

CLIENTE: TUCOIA
CUSTOMER:
PEDIDO CLIENTE / P.O.
PEDIDO INTERNO / I.O.
PARTIDA (S)
ITEMS

16798-20 / 25341-20 / X8883-9
8075
16798-20 / 25341-20 / X8883-9

NUMERO: PTM-50603-2001
NUMBER

FECHA: ENERO 03, 2002
DATE

NUM. PROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LEAD IN INCHES	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
16-17 TC TS	107895	47 895	65 746	43	0.73	0.138	0.90	0.015	0.004	-	-	-	0.200	0.013	0.050	0.0030	0.022	0.031	-	-	-
3-1 TC TS	107904	47 974	66 022	41	0.73	0.147	0.93	0.013	0.007	-	-	-	0.186	0.015	0.041	0.0031	0.019	0.026	-	-	-
2-5 TC TS	114972	47 203	66 700	35	0.71	0.137	0.87	0.013	0.007	-	-	-	0.142	0.019	0.044	0.0028	0.018	0.024	-	-	-
8-12 TC TS	114973	48 173	67 647	37	0.71	0.149	0.88	0.017	0.006	-	-	-	0.158	0.020	0.040	0.0033	0.019	0.023	-	-	-
6-11 TC TS	207845	49 203	69 472	41	0.75	0.141	0.89	0.013	0.005	-	-	-	0.178	0.016	0.025	0.0019	0.019	0.036	-	-	-
7-10 TC TS	214640	47 728	74 469	36	0.73	0.121	0.94	0.011	0.005	-	-	-	0.188	0.026	0.037	0.0017	0.014	0.023	-	-	-
3-10 TC TS	297069	60 752	67 217	38	0.87	0.144	0.97	0.018	0.009	-	-	-	0.172	0.027	0.034	0.0022	0.020	0.029	-	-	-
			74 373																		

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APLICABLES DE LA ESPECIFICACION:

WE CERTIFY THE PIPE ABOVE MENTIONED ACCOMPLISH AND HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:

ASTM

ING. FERNANDO OSORIO PEREZ
GERENTE DE ASEGURAMIENTO DE CALIDAD
QUALITY ASSURANCE MANAGER