



PLM-005-7

PROCARSA, S.A. DE C.V.
CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: TUCOTA
CUSTOMER:
PEDIDO CLIENTE / P.O. 8978
PEDIDO INTERNO / I.O.
PARTIDA (S) 6457-10 / 7485-10 / XB574-1

NUMERO PTM-520-0-2002
NUMBER
FECHA MAYO 20, 2002
DATE

TAMANO 20" ESPESOR DE PARED 0.250" GRADO: ASTM A53-B
SIZE: 20" WALL THICKNESS 0.250" GRADE: ASTM A53-B
PRESION HIDROSTATICA: 520 PSI
ANALISIS QUIMICO % EN PESO
CHEMICAL ANALYSES PERCENT WEIGHT

NUM. PROYECTO DESCRIPTION	COAJA HEAT	LIMITE ELASTICO YIELD STRENGTH (F.S.I.)	ULTIMA TENSION TENSILE STRENGTH (F.S.I.)	% ELONG. 2"	LEQUIT V.F.T.S	CHEMICAL ANALYSES PERCENT WEIGHT														
						C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N
22-7 Tc	101266	62 629	70 979	39	0.88	0.080	1.20	0.018	0.007	0.022	0.005	-	0.224	0.014	0.039	0.0021	0.017	0.025	0.014	0.0063
75-1 Tc	101261	62 892	77 151	37	0.88	0.083	1.20	0.012	0.006	0.019	0.004	-	0.217	0.037	0.035	0.0027	0.021	0.037	0.015	0.0055
81-7 Tc	101262	60 737	76 946	39	0.85	0.090	1.15	0.010	0.006	0.018	0.003	-	0.200	0.020	0.042	0.0010	0.018	0.035	0.014	0.0060
8-7 Tc	101264	65 436	71 149	39	0.92	0.090	1.16	0.013	0.008	0.018	0.003	-	0.190	0.020	0.030	0.0020	0.038	0.036	0.013	0.0060
58-2 Tc	101266	59 723	72 705	40	0.85	0.080	1.16	0.014	0.007	0.017	0.002	-	0.210	0.010	0.043	0.0020	0.017	0.044	0.014	0.0060
26-8 Tc	101267	62 211	70 473	38	0.87	0.080	1.17	0.012	0.006	0.017	0.002	-	0.200	0.030	0.047	0.0020	0.017	0.047	0.015	0.0050
72-16 Tc	101269	61 577	76 766	38	0.87	0.100	1.16	0.016	0.008	0.013	0.003	-	0.190	0.012	0.027	0.0020	0.022	0.026	0.008	0.0050
2-10 Tc	101270	60 772	70 758	36	0.85	0.080	1.15	0.015	0.006	0.018	0.003	-	0.180	0.028	0.036	0.0020	0.023	0.027	0.009	0.0050
14-6 Tc	101958	64 487	73 276	36	0.84	0.100	1.19	0.018	0.008	0.020	0.005	-	0.220	0.014	0.042	0.0020	0.018	0.031	0.017	0.0060
9-14 Tc	101961	70 284	76 447	31	0.91	0.080	1.18	0.016	0.007	0.014	0.003	-	0.200	0.020	0.039	0.0030	0.025	0.036	0.017	0.0050
119-14 Tc	192379	65 029	76 967	35	0.88	0.098	0.70	0.016	0.011	0.020	0.002	-	0.017	0.025	0.047	0.0012	0.023	0.031	0.010	0.0039
110-16 Tc	292323	64 029	82 229	39	0.92	0.094	0.81	0.017	0.011	0.017	0.002	-	0.010	0.010	0.046	0.0013	0.020	0.026	0.011	0.0054
130-4 Tc	292329	59 753	77 433	39	0.89	0.095	0.75	0.020	0.010	0.015	0.002	-	0.013	0.016	0.048	0.0010	0.022	0.025	0.011	0.0046
			79 778																	

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