FLM-005-7

PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: TUCOTA
CUSTOMER:

NUMERO / NUMBER: PTM-52513-1-2002

PEDIDO CLIENTE /P.O.
PEDIDO INTERNO / I.O. 9157
PARTIDA (S) / ITEMS 10128-10 / XY802-1 / 2492-5

FECHA / DATE: JULIO 13, 2002

DIAMETRO / DIAMETER: 18"

ESPESOR DE PARED / WALL THICKNESS: 0.250"

GRADO / GRADE: ASTM A53-B

PRESION HIDROSTATICA / HIDROSTATIC TEST: 41 Kg/cm² 580 PSI

PRUEBAS DE TENSION / TENSILE TEST						ANALISIS QUIMICO % EN PESO / CHEMICAL ANALYSES PERCENT WEIGHT															
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	C	Mn	P	S	[illegible]	V	[illegible]	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
8-5 Tc	103992	50 397	69 436	37	0.73	0.147	1.00	0.018	0.008	–	–	–	0.186	0.026	0.040	0.0031	0.015	0.038	–	0.0056	
Ts			72 163																		
36-6 Tc	203899	53 735	70 162	38	0.77	0.142	0.92	0.015	0.005	–	–	–	0.190	0.016	0.038	0.0023	0.035	0.036	–	0.0066	
Ts			73 473																		
12-7 Tc	203900	51 020	70 011	38	0.73	0.145	0.91	0.015	0.008	–	–	–	0.167	0.013	0.050	0.0026	0.018	0.034	–	0.0063	
Ts			72 593																		
32-12 Tc	203901	50 850	66 966	38	0.76	0.120	0.91	0.015	0.008	–	–	–	0.150	0.018	0.050	0.0022	0.017	0.033	–	0.0055	
Ts			69 574																		
30-1 Tc	203902	46 301	67 321	37	0.69	0.126	0.89	0.016	0.007	–	–	–	0.150	0.015	0.046	0.0028	0.019	0.029	–	0.0059	
Ts			69 161																		
43-18 Tc	284652	48 342	66 574	40	0.72	0.152	0.750	0.022	0.007	–	–	–	0.227	0.028	0.042	0.0014	0.023	0.030	–	0.0080	
Ts			72 222																		
12-9B Tc	298108	53 237	72 136	30	0.74	0.160	0.91	0.017	0.011	–	–	–	0.143	0.016	0.037	0.0026	0.032	0.032	–	0.0050	
Ts			81 648																		

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

ASTM

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

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