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:
PEDIDO CLIENTE /P.O.
PEDIDO INTERNO / I.O. 11336
PARTIDA (S)
ITEMS 49830-50 / 49886-60

DIAMETRO :
DIAMETER : 12 3/4"

ESPESOR DE PARED
WALL THICKNESS 0.375"

GRADO :
GRADE : ASTM A53-B

PRESION HIDROSTATICA:
HIDROSTATIC TEST: 87 Kg/cm^2 12

PRUEBAS DE TENSION
TENSILE TEST

ANALISIS QUIMICO % EN PESO
CHEMICAL ANALYSES PERCENT WEIGHT

NUM.PROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LE/U.T Y.S/T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr
4-14 Tc	136416	54 419	72 246	38	0.75	0.161	1.10	0.015	0.007	0.001	0.003	0.003	0.197	0.030	0.035	0.0017	0.027
Ts			79 365														
12-9 Tc	136419	56 306	71 321	38	0.79	0.176	1.14	0.013	0.006	0.003	0.004	0.004	0.210	0.021	0.036	0.0017	0.028
Ts			77 785														
35-4 Tc	136422	55 861	67 754	38	0.82	0.155	1.09	0.014	0.006	0.002	0.004	0.003	0.196	0.014	0.036	0.0027	0.031
Ts			74 337														
19-8 Tc	236189	57 371	72 488	35	0.79	0.175	1.11	0.015	0.003	0.001	0.003	0.002	0.179	0.040	0.032	0.0025	0.023
Ts			80 190														
25-11 Tc	236223	51 680	67 568	36	0.76	0.150	1.12	0.014	0.004	0.001	0.002	0.004	0.192	0.034	0.045	0.0023	0.014
Ts			74 620														
2-11 Tc	236867	65 080	70 504	38	0.92	0.084	0.77	0.015	0.003	0.033	0.002	0.003	0.177	0.260	0.032	0.0024	0.021
Ts			76 045														
20-12 Tc	236868	64 806	72 723	36	0.89	0.076	0.77	0.014	0.004	0.032	0.002	0.003	0.172	0.266	0.042	0.0026	0.020
Ts			78 283														
24-10 Tc	236872	64 949	71,264	34	0.91	0.086	0.76	0.016	0.004	0.032	0.002	0.003	0.173	0.251	0.037	0.0028	0.020
Ts			77 752														

CERTIFICAMOS QUE LA TUBERIA AQUÍ 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 A53-B -99

ING. FERNANDO O
GERENTE DE ASEGUR