



FLM-005-7

PROCARSA, S.A. DE C.V.

CERTIFICADO DE CALIDAD
DE PRUEBAS FISICAS-QUIMICAS

QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

PESANA ANHUAC Y CIAS, S.A. DE C.V.

CLIENTE:
CUSTOMER:

PEDIDO CLIENTE / P.O. 1743
PARTIDA (S)
ITEMS

PRESION HIDROSTATICA: 101 Kg/cm²
1430 PSI

NUMERO
NUMBER

PTM-72297-2008

FECHA
DATE

AGOSTO 27, 2008

DIAMETRO : 10.34"
WALL THICKNESS

0.365"

GRADO :

ASTM A53-B

HIDROSTATIC TEST:

101 Kg/cm²

1430 PSI

PRUEBAS DE TENSION
TENSILE TEST

ANALISIS QUIMICO % EN PESO
CHEMICAL ANALYSES PERCENT WEIGHT

NUM. PROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (PSI)	ULTIMA TENSION TENSILE STRENGTH (PSI)	% ELONG. ELONG.	LEPUT YIELD	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
1-4 TC TS	182018	68 607	71 856	34	0.92	0.079	0.65	0.013	0.004	0.034	0.002	0.004	0.167	0.230	0.028	0.001	0.020	0.020	0.003	0.0052	
1-10 TC TS	182020	65 429	72 619	33	0.90	0.058	0.65	0.014	0.004	0.031	0.004	0.005	0.170	0.230	0.041	0.0013	0.020	0.020	0.005	0.0065	
15-13 TC TS	183880	66 394	72 961	34	0.91	0.060	0.66	0.013	0.004	0.032	0.002	0.003	0.178	0.250	0.043	0.001	0.020	0.030	0.005	0.0063	
13-20 TC TS	183881	65 401	71 203	35	0.91	0.057	0.65	0.012	0.005	0.031	0.003	0.004	0.191	0.220	0.038	0.002	0.020	0.020	0.004	0.0061	
4-17 TC TS	183882	65 638	72 091	35	0.91	0.076	0.63	0.011	0.004	0.032	0.002	0.003	0.179	0.210	0.039	0.002	0.020	0.020	0.003	0.0061	
22-20 TC TS	274982	65 929	71 307	35	0.92	0.063	0.65	0.012	0.005	0.031	0.002	0.004	0.185	0.200	0.040	0.003	0.030	0.040	0.007	0.0043	
4-5 TC TS	264356	57 618	69 437	34	0.82	0.060	1.17	0.010	0.003	0.019	0.003	0.010	0.317	0.030	0.044	0.002	0.020	0.020	0.008	0.0066	
9-1 TC TS	284357	57 278	69 032	33	0.82	0.067	1.18	0.009	0.003	0.021	0.004	0.008	0.324	0.020	0.044	0.001	0.010	0.020	0.006	0.0079	

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

ASTM A53-B -06

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