

FLM-005-7
PROCARSA, S.A. DE C.V.

**CERTIFICADO DE CALIDAD
 DE PRUEBAS FISICAS-QUIMICAS**
 QUALITY CERTIFICATE OF TEST PHYSICALS-CHEMICAL

CLIENTE: PLESA ANAHUAC Y CIAS. S.A. DE C.V.
 CUSTOMER:
 PEDIDO CLIENTE / P.O.
 PEDIDO INTERNO / I.O. 3649
 PARTIDA (S)
 ITEMS 112719-10/71075-20/74482-10/64885-10

NUMERO PTM-79775-2011
 NUMBER
 FECHA
 DATE JULIO 05, 2011

DIAMETRO : 16" ESPESOR DE PARED 0.375" GRADO : ASTM A53-B PRESION HIDROSTATICA: 980 PSI 10 Segundos una vez
 DIAMETER : 16" WALL THICKNESS 0.375" GRADE : ASTM A53-B HIDROSTATIC TEST: 69 Kg/cm²

PRUEBAS DE TENSION
 TENSILE TEST


ANALISIS QUIMICO % EN PESO
 CHEMICAL ANALYSES PERCENT WEIGHT

NUM.PROBETA DESCRIPTION	COLADA HEAT	PRUEBAS DE TENSION TENSILE TEST				ANALISIS QUIMICO % EN PESO CHEMICAL ANALYSES PERCENT WEIGHT															
		LIMITE ELASTICO YIELD STRENGTH (P.S.I.)	ULTIMA TENSION TENSILE STRENGTH (P.S.I.)	% ELONG. 2"	LE/UT Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
16-5 Tc Ts	104076	78 125	98 233 92 305	30	0.79 H	0.083	1.20	0.014	0.005	0.043	0.052	0.004	0.226	0.028	0.040	0.0027	0.019	0.027	0.012	0.0054	
2-5 Tc Ts	161318	49 451	62 271 67 993	35	0.79 H	0.081	0.66	0.015	0.004	0.003	0.003	0.004	0.100	0.250	0.046	0.0028	0.020	0.030	0.007	0.0041	
249-1 Tc Ts	264305	63 678	77 003 83 466	37	0.83 H	0.187	1.08	0.013	0.008	0.013	0.004	0.006	0.294	0.040	0.030	0.0038	0.030	0.030	0.014	0.0060	
18-12 Tc Ts	252586	53 737	70 475 75 484	38	0.76	0.156	1.10	0.019	0.006	0.001	0.004	0.003	0.160	0.020	0.034	0.0026	0.020	0.040	0.006	0.0052	
49-8 Tc Ts	286990	62 987	70 135 74 324	37	0.89 H	0.062	1.16	0.013	0.007	0.019	0.005	0.009	0.226	0.030	0.031	0.0025	0.020	0.020	0.013	0.0076	
11-5 Tc Ts	286995	62 604	73 367 74 760	38	0.86 H	0.069	1.16	0.012	0.003	0.018	0.002	0.006	0.231	0.020	0.028	0.0030	0.010	0.020	0.005	0.0066	
2-15 Tc Ts	287901	51 295	66 002 68 075	38	0.77	0.150	0.83	0.016	0.008	0.004	0.005	0.005	0.264	0.030	0.025	0.0020	0.040	0.030	0.015	0.0050	
20-15 Tc Ts	289304	62 306	71 053 75 378	37	0.87 H	0.069	1.17	0.011	0.005	0.020	0.002	0.007	0.230	0.020	0.031	0.0028	0.020	0.030	0.017	0.0056	
76-4 Tc Ts	286988	61 985	70 865 76 924	38	0.87 H	0.068	1.17	0.013	0.004	0.021	0.003	0.007	0.238	0.040	0.027	0.0024	0.020	0.030	0.006	0.0067	

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 -06


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 METALLURGICAL LABORATORY SUPERVISOR