

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. 2964
 PARTIDA (S)
 ITEMS 96396-50 / 96402-20 / 103138-60

 NUMERO P1M-7/444-2010
 NUMBER
 FECHA
 DATE JUNIO 03, 2010

 DIAMETRO : 6 5/8" ESPESOR DE PARED 0.432" GRADO : ASTM A53-B PRESION HIDROSTATICA: 193 Kg/cm² 2,740 PSI
 DIAMETER : 6 5/8" WALL THICKNESS 0.432" GRADE : ASTM A53-B HIDROSTATIC TEST: 193 Kg/cm² 2,740 PSI

**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/UT Y.S.T.S	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	Ceq
5A-13 Lc	185417	58 934	66 321	35	0.88	0.131	0.76	0.020	0.008	0.001	0.004	0.004	0.251	0.020	0.040	0.0016	0.020	0.020	0.005	0.0059	
23A-13 Lc	285094	56 273	66 222	36	0.84	0.150	0.76	0.025	0.008	0.001	0.002	0.003	0.308	0.040	0.020	0.0050	0.010	0.030	0.006	0.0059	
13A-17 Lc	285272	66 186	75 364	32	0.87	0.069	0.71	0.014	0.004	0.034	0.002	0.004	0.190	0.200	0.036	0.0018	0.020	0.020	0.005	0.0068	
4B-4 Lc	290577	54 481	63 614	40	0.85	0.111	0.79	0.012	0.007	0.002	0.002	0.004	0.294	0.010	0.042	0.0015	0.020	0.020	0.006	0.0049	

PLESA ANAHUAC Y CIAS. S.A. DE C.V.

CONTROL DE CALIDAD

FECHA

07 Jun 2010

ERS


E. RUIZ

FIRMA

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 -06


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