

FLM-005-7



PROCARSA, S.A. DE C.V.

**CERTIFICADO DE INSPECCION  
DE PRUEBAS MECANICAS Y ANALISIS QUIMICO**

INSPECTION CERTIFICATE OF MECHANICAL TESTS AND CHEMICAL ANALYSES

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

CUSTOMER:

NUMERO PTM-08437-2019

NUMBER

PEDIDO CLIENTE /P.O.

PEDIDO INTERNO / I.O. 405

FECHA

DATE

JUNIO 20, 2019

PARTIDA (S)

ITEMS

115715-10 / 117382-40 / 102742-20 / T-11-12

DIAMETRO EXTERIOR :

ESPESOR DE PARED :

GRADO :

PRESION HIDROSTATICA:

OUTSIDE DIAMETER : 10 3/4"

WALL THICKNESS : 0.500"

GRADE : ASTM A53-B

HIDROSTATIC TEST: 137 Kg/cm<sup>2</sup> 1,950 PSI**REQUERIMIENTOS DE PRUEBAS DE TENSION / TENSILE TEST REQUIREMENTS**

LIMITE ELASTICO / YIELD STRENGTH	ULTIMA TENSION / TENSILE STRENGTH	% ELONG.	L.E./U.T.	C	Mn	P	S	Cb	Cb+V	Cb+V+Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	CE IIW	CE Pcm
35000 PSI MIN.	60000 PSI MIN.	30 min.	---	0.300 max	1.200 max	0.050 max	0.045 max	---	---	---	---	0.500 max	---	---	0.400 max	0.400 max	0.150 max	---	---	---

NUM.PROBETA DESCRIPTION	COLADA HEAT	LIMITE ELASTICO YIELD STRENGTH (P.S.L.)	ULTIMA TENSION TENSILE STRENGTH (P.S.L.)	% ELONG. 2"	LE/UT Y.S./T.S.	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	CE IIW	CE Pcm
24-14 Tc Ts	108724	60 395	73 044 76 211	37	0.82	0.112	0.79	0.014	0.004	0.001	0.002	0.004	0.257	0.016	0.050	0.0022	0.019	0.016	0.006	0.0045		
17-11 Tc Ts	110958	55 229	61 414 71 047	41	0.89	0.100	0.77	0.015	0.005	0.001	0.004	0.003	0.255	0.034	0.036	0.0025	0.019	0.034	0.008	0.0045		
9-6 Tc Ts	290363	53 457	64 531 65 842	37	0.82	0.126	0.79	0.013	0.005	0.002	0.002	0.004	0.281	0.010	0.040	0.0032	0.030	0.020	0.007	0.0039		
1-3 Tc Ts	1241812012	68 054	76 145 76 432	35	0.89	0.090	0.93	0.010	0.002	0.020	0.002	0.002	0.092	0.041	0.038	0.0020	0.017	0.027	0.004	0.0052		

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 THAT THE ABOVE DESCRIBED PIPE HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATION, AND MEETS THE APPLICABLE REQUIREMENTS THEREIN

ASTM A53

.

.

.

.

  
**ING. ALEJANDRO ALARCON CAZARES**  
 JEFE DE LABORATORIO METALURGICO  
 METALLURGICAL LABORATORY CHIEF