


PROCARSA, S.A. DE C.V.
 CLIENTE: **PLESA ANAHUAC Y CIAS. S.A. DE C.V.**
 NUMERO: **PTN-0002-1-2018**
CERTIFICADO DE INSPECCION
 CUSTOMER:
DE PRUEBAS MECANICAS Y ANALISIS QUIMICO
 PEDIDO CLIENTE / P.O.
INSPECTION CERTIFICATE OF MECHANICAL TESTS AND CHEMICAL ANALYSES
 PEDIDO INTERNO / I.O.
 PARTIDA (S)
65127-10/66824-10
 FECHA: **SEPTIEMBRE 10, 2018**
 DATE:

DIAMETRO EXTERIOR: **20"**
 WALL THICKNESS: **0.250"**
 GRADO: **ASTM A53-B**
 PRESION HIDROSTATICA: **530 PSI**
 REQUISITOS DE PRUEBAS DE TENSION/TENSILE TEST REQUIREMENTS
 REQUISITOS DE ANALISIS QUIMICO % EN PESO / CHEMICAL ANALYSES BY PERCENTAGE OF WEIGHT REQUIREMENTS
 LIMITE ELASTICO / YIELD STRENGTH **60000 PSI MIN.**
 ULTIMA TENSION / TENSILE STRENGTH **26 min.**
 % ELONG. / EL. EXT. **37**
 C **0.300 max**
 Mn **1.200 max**
 P **0.056 max**
 S **0.045 max**
 Cb **---**
 V **---**
 Ti **---**
 Si **---**
 Cu **0.500 max**
 Al **---**
 Cr **0.400 max**
 Ni **0.400 max**
 Mo **0.150 max**
 N **---**
 CE IIW **---**
 CE Pen **---**

NUM. PROPIETA / DESCRIPTION	COLADA / BEAT	LIMITE ELASTICO / YIELD STRENGTH (P.S.I.)	ULTIMA TENSION / TENSILE STRENGTH (P.S.I.)	% ELONG. / % EL. EXT.	LEGT. / LEGT. S.S.G.S.	C	Mn	P	S	Cb	V	Ti	Si	Cu	Al	Ca	Cr	Ni	Mo	N	CE IIW	CE Pen
83-8 Tc	152747	69 089	81 755	37	0.85	0.101	1.13	0.013	0.005	0.046	0.002	0.009	0.184	0.020	0.038	0.0021	0.020	0.030	0.009	0.0061		
55-3 Tc	152499	71 647	81 497	33	0.84	0.088	1.13	0.014	0.005	0.048	0.005	0.010	0.180	0.030	0.037	0.0046	0.020	0.030	0.009	0.0056		
64-6 Tc	152502	76 213	83 876	33	0.80	0.081	1.15	0.016	0.005	0.049	0.005	0.009	0.198	0.030	0.030	0.0026	0.020	0.030	0.009	0.0050		
3-8 Tc	152743	66 553	90 519	33	0.81	0.119	1.17	0.017	0.005	0.047	0.004	0.008	0.163	0.020	0.038	0.0022	0.030	0.030	0.009	0.0060		
70-13 Tc	252818	64 181	82 345	34	0.78	0.088	1.17	0.014	0.005	0.044	0.005	0.01	0.196	0.030	0.029	0.0030	0.020	0.040	0.011	0.0063		
1-2 Tc	170526	45 845	63 456	38	0.72	0.117	0.78	0.010	0.007	0.001	0.002	0.004	0.294	0.020	0.040	0.0021	0.020	0.030	0.006	0.0069		

CERTIFICAMOS QUE LA TUBERIA AQUI DESCRITA CUMPLE Y HA SIDO FABRICADA, MUESTREADA, PROBADA E INSPECCIONADA DE ACUERDO CON LOS REQUISITOS APPLICABLES DE LA ESPECIFICACION: **ASTM A53**
 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

ING. ALBERTO ESCOBAR CASARES
 JEFE DE LABORATORIO METALURGICO
 METALLURGICAL LABORATORY CHIEF