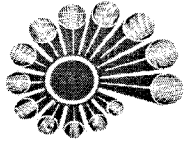


FLM-005-7



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:

NUMERO PTM-6546-2017

NUMBER

PEDIDO CLIENTE / P.O. N/A

PEDIDO INTERNO / I.O.

FECHA

DATE SEPTIEMBRE 14, 2017

PARTIDA (S)

ITEMS N/A

TAMAÑO

SIZE: N/A

ESPESOR DE PARED

WALL THICKNESS

N/A

GRADO :

GRADE :

N/A

PRESION HIDROSTATICA:

HYDROSTATIC TEST:

-----N/A-----

## PRUEBAS DE TENSION

## TENSILE TEST

## ANALISIS QUIMICO % EN PESO

## CHEMICAL ANALYSES PERCENT WEIGHT

PARTIDA ITEM	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
1	1-10 Lc	217573	52 282	61 790	42	0.84	0.103	0.77	0.017	0.004	--	--	--	0.211	0.021	0.028	0.0045	0.013	0.015	--	--	
2	7-17 Lc	422698	54 201	65 387	39	0.82	0.117	0.77	0.013	0.008	--	--	--	0.206	0.025	0.038	0.0026	0.020	0.023	--	--	
3	3-3 Lc	223253	50 790	65 839	37	0.77	0.122	0.78	0.013	0.004	--	--	--	0.218	0.015	0.023	0.0034	0.025	0.014	--	--	

PARTIDA ITEMS	DIMENSIONES SIZE	GRADO GRADE	PARTIDA ITEM	No. PEDIDO P.O.
1	8" X 8" X 0.250"	ASTM A500-B	123316-20	16430
2	8" X 8" X 0.375"	ASTM A500-B	129598-20	16430
3	10" X 10" X 0.312"	ASTM A500-B	129598-60	16430

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

ASTM A500

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WE CERTIFY THE PIPE ABOVE MENTIONED ACCOMPLISH AND HAS BEEN MANUFACTURED, SAMPLED, TESTED AND INSPECTED IN ACCORDANCE WITH APPLICABLE REQUIREMENTS OF SPECIFICATIONS:

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ING. LUIS ALFONSO DE LOS SANTOS RIVERA  
SUPERVISOR DE LABORATORIO METALURGICO  
METALLURGICAL LABORATORY SUPERVISOR