



**Aceria Ramos Arizpe**  
 CARRETERA MONCLOVA KM 4 NUMERO 2125  
 TRAMO SANTA CRUZ OJO CALIENTE  
 C.P./ZIP RAMOS ARIZPE, COAHUILA  
 Tel/Phone (+52) 01 818 368 1111  
 MX 01 800 021 3322, USA 1800 332 2376

**CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST  
 AND ANALYSIS**

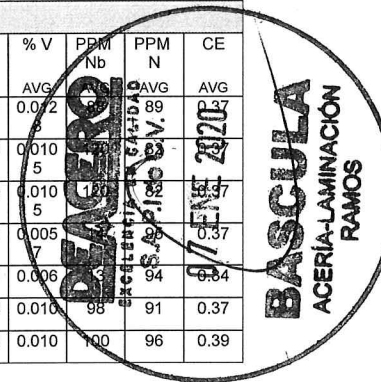
No. Certificado / Certificate No:	162721 - 22475223
Fecha / Date:	07/01/2020

Hecho en México / Made in Mexico

DATOS DEL CLIENTE / SOLD TO		CLIENTE CONSIGNADO / SHIP TO	DATOS DEL EMBARQUE / SHIPPING INFORMATION
Cliente / Customer: PLESA ANAHUAC Y CIAS SA DE CV		Cliente / Customer: MATRIZ TULTITLAN	Núm. Viaje / Travel No: 162721
Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN		Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 66 SAN FRANCISCO CHILPAN	Núm. Factura / Invoice No: FQ96875
Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO	Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO
Teléfono / Phone: 10838570		País / Country: MEXICO C.P./ZIP 54940	
Correo Electrónico / eMail:		Núm. Plan / Shipping Plan: 174167	
		Fecha Embarque / Date: 07/01/2020	
		Orden de Compra / Purchase Order: 29309	

**COMPOSICION QUIMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT)**

Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	% C	% Mn	% Si	% P	% S	% Cu	% Cr	% Ni	% Mo	% Sn	% Ti	% V	PPM Nb	PPM N	CE
				AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG
39278	3404	60900	ANGULO LI 1 1/2" x 1 1/2" x 1/8" A-36 P 6.10m 2.0T	0.20	0.92	0.20	0.005	0.005	0.18	0.06	0.07	0.018	0.010	0.011	0.010	0.012	89	0.37
39324	3406	60900	ANGULO LI 1 1/2" x 1 1/2" x 1/8" A-36 P 6.10m 2.0T	0.21	0.92	0.22	0.006	0.003	0.10	0.09	0.04	0.010	0.015	0.010	0.010	5	91	0.37
39324	3407	60900	ANGULO LI 1 1/2" x 1 1/2" x 1/8" A-36 P 6.10m 2.0T	0.21	0.92	0.22	0.006	0.003	0.10	0.09	0.04	0.010	0.015	0.010	0.010	5	91	0.37
39383	3422	60340	ANGULO LI 1 1/2" x 1 1/2" x 1/8" A36/529-50 12.20m 4.0T	0.23	0.73	0.22	0.007	0.004	0.21	0.09	0.08	0.021	0.008	0.001	0.005	7	94	0.34
38804	44284	64117	CANAL 3" x 3.5 A36/529-50 12.20m 4.0T	0.20	0.71	0.18	0.009	0.015	0.28	0.13	0.08	0.027	0.011	0.001	0.006	98	91	0.37
40120	45260	60410	CANAL 6" x 13.0 A36/A572-50 12.20m 4.0T	0.20	0.91	0.20	0.008	0.004	0.20	0.07	0.09	0.020	0.008	0.008	0.010	98	91	0.37
39771	45025	10472	CANAL 8" x 18.75 A36/A572-50 6.10m 4.0T	0.22	0.92	0.21	0.006	0.003	0.19	0.10	0.07	0.021	0.008	0.008	0.010	100	96	0.39



**PROPIEDADES MECANICAS / MECHANICAL PROPERTIES**

Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT kg/mm²	TS PSI	% Elong / Elong	LF kg/mm²	YS PSI	P. Doblez / Bend Test
						AVG	AVG	AVG	AVG	AVG	
39278	3404	60900	ANGULO LI 1 1/2" x 1 1/2" x 1/8" A-36 P 6.10m 2.0T	1 1/2" x 1 1/2" x 1/8"	2	53.8	76575.8	33.1	39.1	55683.4	Cumple / Successfully
39324	3406	60900	ANGULO LI 1 1/2" x 1 1/2" x 1/8" A-36 P 6.10m 2.0T	1 1/2" x 1 1/2" x 1/8"	1	50.3	71670.8	34.6	35.0	49941.6	Cumple / Successfully
39324	3407	60900	ANGULO LI 1 1/2" x 1 1/2" x 1/8" A-36 P 6.10m 2.0T	1 1/2" x 1 1/2" x 1/8"	2	52.5	74809.9	32.6	32.6	46482.2	Cumple / Successfully
39383	3422	60340	ANGULO LI 1 1/2" x 1 1/2" x 1/8" A36/529-50 12.20m 4.0T	1 1/2" x 1 1/2" x 1/8"	2	51.4	73220.4	26.6	44.5	63363.3	Cumple / Successfully
38804	44284	64117	CANAL 3" x 3.5 A36/529-50 12.20m 4.0T	3"	1	50.7	72171.7	32.7	38.0	54129.4	Cumple / Successfully
40120	45260	60410	CANAL 6" x 13.0 A36/A572-50 12.20m 4.0T	6"	1	52.1	74242.1	32.8	41.9	59719.0	Cumple / Successfully
39771	45025	10472	CANAL 8" x 18.75 A36/A572-50 6.10m 4.0T	8"	1	53.8	76662.7	24.5	40.4	57556.0	Cumple / Successfully

Certificamos que este material ha sido producido, inspeccionado y probado de acuerdo a las normas de fabricación del acero aplicables a la ASTM A36-2008, A529-2005 (re aprobada el 2009), A572-2012 y A992-2011 y a las normas dimensionales NMX B252, ASTM A6/A6M-2012. / We certify that this material has been produced, inspected and tested according to standards applicable steelmaking to ASTM A36-2008, A529-2005 (Reapproved 2009), A572-2012 y A992-2011, and the dimensional standards NMX B252, ASTM A6/A6M-2012



JUAN ALEJANDRO GALVAN GARCIA  
 Gerente de Aseguramiento de Calidad / Quality Assurance Manager