



Acería 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:	145673 - 22132353
Fecha / Date:	31/05/2019

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: 145673
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: FQ84341
Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO	Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO
Teléfono / Phone: 10838570	Pais / Country: MEXICO C.P./ZIP 54940		Pedido / Customer Order No: 22132353
Correo Electrónico / eMail:			Núm. Plan / Shipping Plan: 155610
			Fecha Embarque / Date: 31/05/2019
			Orden de Compra / Purchase Order: 28431

COMPOSICIÓN QUÍMICA / 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
35502	13348	62108	SOLERA 1 1/2" x 1/8" A-36 P 6.10m 2.0T	0.14	0.66	0.20	0.012	0.011	0.22	0.20	0.10	0.024	0.012	0.001	0.002	2	89	0.28
35934	13373	62108	SOLERA 1 1/2" x 1/8" A-36 P 6.10m 2.0T	0.15	0.65	0.19	0.009	0.006	0.24	0.05	0.08	0.020	0.010	0.001	0.003	1	87	0.28
34210	1194	60230	SOLERA 2" x 3/8" A-36 P 6.10m 2.0T	0.21	0.74	0.23	0.008	0.006	0.24	0.08	0.09	0.028	0.011	0.001	0.003	26	86	0.35
34211	1193	60230	SOLERA 2" x 3/8" A-36 P 6.10m 2.0T	0.23	0.75	0.23	0.005	0.007	0.20	0.08	0.08	0.026	0.010	0.001	0.004	28	90	0.37
34610	41075	60242	SOLERA 4" x 3/4" A-36 P 6.10m 2.0T	0.22	0.75	0.21	0.010	0.008	0.29	0.07	0.09	0.022	0.014	0.001	0.004	26	83	0.36
35899	42021	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	0.20	0.85	0.20	0.010	0.009	0.27	0.08	0.11	0.025	0.020	0.002	0.001	114	85	0.36
35900	42020	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	0.20	0.76	0.21	0.008	0.016	0.30	0.06	0.10	0.025	0.019	0.001	0.001	8	90	0.35
34745	41226	10994	SOLERA 8" x 3/8" A36/529-50 6.10m 2.0T	0.23	0.74	0.20	0.011	0.014	0.24	0.11	0.10	0.030	0.011	0.002	0.004	15	95	0.37
35616	41832	10502	CANAL 10" x 25 A36/A572-50 12.20m 4.0T	0.21	0.90	0.20	0.009	0.011	0.17	0.08	0.06	0.020	0.009	0.009	0.004	271	92	0.38

PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES												
Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT	TS	% Elong / Elong	LF	YS	P. Doble / Bend Test	
						kg/mm ²	PSI	AVG	kg/mm ²	PSI		AVG
35502	13348	62108	SOLERA 1 1/2" x 1/8" A-36 P 6.10m 2.0T	1 1/2" x 1/8"	1	49.3	70281.9	30.5	29.4	41893.1	Cumple / Successfully	
35934	13373	62108	SOLERA 1 1/2" x 1/8" A-36 P 6.10m 2.0T	1 1/2" x 1/8"	1	50.7	72245.7	32.2	37.4	53305.5	Cumple / Successfully	
34210	1194	60230	SOLERA 2" x 3/8" A-36 P 6.10m 2.0T	2" x 3/8"	1	46.5	66197.9	24.7	29.9	42661.5	Cumple / Successfully	
34211	1193	60230	SOLERA 2" x 3/8" A-36 P 6.10m 2.0T	2" x 3/8"	1	55.7	79261.1	30.5	36.3	51782.9	Cumple / Successfully	
34610	41075	60242	SOLERA 4" x 3/4" A-36 P 6.10m 2.0T	4" x 3/4"	1	52.5	74750.1	31.7	38.4	54728.5	Cumple / Successfully	
35899	42021	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	6" x 3/8"	3	50.2	71448.8	32.8	36.2	51512.6	Cumple / Successfully	
35900	42020	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	6" x 3/8"	2	52.7	74992.1	32.1	37.0	52651.0	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



EXCELENCIA EN CALIDAD

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Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT kg/mm ²	TS PSI	% Elong / Elong	LF kg/mm ²	YS PSI	P. Doble / Bend Test
						AVG	AVG	AVG	AVG	AVG	
34745	41226	10994	SOLERA 8" x 3/8" A36/529-50 6.10m 2.0T	8" x 3/8"	2	53.8	76614.3	33.0	40.3	57361.1	Cumple / Successfully
35616	41832	10502	CANAL 10" x 25 A36/A572-50 12.20m 4.0T	10" x 25	3	52.6	74963.6	31.5	40.2	57289.9	Cumple / Successfully



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