



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:	148233 - 22177515
Fecha / Date:	29/06/2019

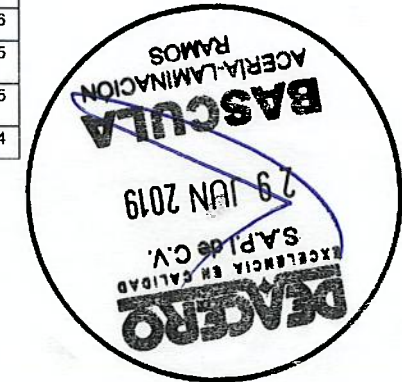
Hecho en México / Made in Mexico

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: 148233
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: FQ86008
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:		Pedido / Customer Order No: 22177515	
		Núm. Plan / Shipping Plan: 158696	
		Fecha Embarque / Date: 29/06/2019	
		Orden de Compra / Purchase Order: 28576	

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
36226	42184	60135	REDONDO S 1 1/2" A-36 P 6.10m 2.0T	0.21	0.72	0.19	0.010	0.006	0.22	0.12	0.08	0.022	0.010	0.001	0.005	0	92	0.35
36227	42183	60135	REDONDO S 1 1/2" A-36 P 6.10m 2.0T	0.23	0.78	0.22	0.011	0.002	0.22	0.11	0.08	0.019	0.010	0.001	0.007	4	105	0.38
36104	13446	60221	SOLERA 1" x 1/8" A-36 P 6.10m 2.0T	0.15	0.67	0.19	0.013	0.011	0.25	0.11	0.09	0.025	0.013	0.001	0.003	4	97	0.28
36104	13448	60221	SOLERA 1" x 1/8" A-36 P 6.10m 2.0T	0.15	0.67	0.19	0.013	0.011	0.25	0.11	0.09	0.025	0.013	0.001	0.003	4	97	0.28
36152	13453	60221	SOLERA 1" x 1/8" A-36 P 6.10m 2.0T	0.14	0.65	0.18	0.011	0.005	0.22	0.09	0.08	0.029	0.016	0.001	0.004	1	94	0.26
36158	13454	60221	SOLERA 1" x 1/8" A-36 P 6.10m 2.0T	0.17	0.68	0.21	0.011	0.009	0.25	0.08	0.10	0.030	0.018	0.001	0.004	4	92	0.30
34658	41107	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	0.21	0.77	0.20	0.009	0.010	0.28	0.08	0.12	0.030	0.011	0.001	0.004	16	90	0.36
34067	40532	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	0.22	0.76	0.23	0.007	0.007	0.24	0.06	0.08	0.023	0.012	0.001	0.004	16	82	0.36
36484	42317	60293	ANGULO L1 2 1/2" x 2 1/2" x 1/4" A-36 P 6.10m 2.0T	0.21	0.73	0.22	0.009	0.017	0.25	0.07	0.10	0.025	0.011	0.001	0.005	4	92	0.35
36484	42318	60293	ANGULO L1 2 1/2" x 2 1/2" x 1/4" A-36 P 6.10m 2.0T	0.21	0.73	0.22	0.009	0.017	0.25	0.07	0.10	0.025	0.011	0.001	0.005	4	92	0.35
36346	42271	60392	CANAL 6" x 8.2 A-36 P 6.10m 2.0T	0.20	0.72	0.20	0.008	0.017	0.24	0.07	0.08	0.019	0.012	0.001	0.004	4	80	0.34

PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES												
Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT	TS	% Elong /	LF	YS	P. Doble /	
						kg/mm ²	PSI	Elong	kg/mm ²	PSI	Bend Test	
						AVG	AVG	AVG	AVG	AVG		
36226	42184	60135	REDONDO S 1 1/2" A-36 P 6.10m 2.0T	1 1/2"	2	50.4	71761.8	31.5	39.8	56749.2	Cumple / Successfully	
36227	42183	60135	REDONDO S 1 1/2" A-36 P 6.10m 2.0T	1 1/2"	1	51.2	72942.9	33.5	39.2	55881.2	Cumple / Successfully	
36104	13446	60221	SOLERA 1" x 1/8" A-36 P 6.10m 2.0T	1" x 1/8"	1	41.6	59196.8	32.3	27.9	39758.6	Cumple / Successfully	
36104	13448	60221	SOLERA 1" x 1/8" A-36 P 6.10m 2.0T	1" x 1/8"	2	52.1	74223.6	24.7	38.5	54785.5	Cumple / Successfully	
36152	13453	60221	SOLERA 1" x 1/8" A-36 P 6.10m 2.0T	1" x 1/8"	1	50.9	72459.1	24.7	39.7	56550.0	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.



[Signature]

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



EXCELENCIA EN CALIDAD

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PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES

Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT kg/mm ² AVG	TS PSI AVG	% Elong / Elong AVG	LF kg/mm ² AVG	YS PSI AVG	P. Doble / Bend Test
36158	13454	60221	SOLERA 1" x 1/8" A-36 P 6.10m 2.0T	1" x 1/8"	1	48.4	68930.1	24.7	29.8	42419.6	Cumple / Successfully
34658	41107	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	4" x 1/4"	2	52.1	74195.2	33.2	32.4	46176.3	Cumple / Successfully
34067	40532	64864	SOLERA 6" x 3/8" A36/529-50 6.10m 2.0T	6" x 3/8"	5	53.1	75646.6	30.5	37.2	53035.2	Cumple / Successfully
36484	42317	60293	ANGULO LI 2 1/2" x 2 1/2" x 1/4" A-36 P 6.10m 2.0T	2 1/2" x 2 1/2" x 1/4"	1	51.0	72629.9	31.0	37.4	53234.4	Cumple / Successfully
36484	42318	60293	ANGULO LI 2 1/2" x 2 1/2" x 1/4" A-36 P 6.10m 2.0T	2 1/2" x 2 1/2" x 1/4"	6	51.9	73953.3	32.1	37.5	53376.7	Cumple / Successfully
36346	42271	60392	CANAL 6" x 8.2 A-36 P 6.10m 2.0T	6" x 8.2	5	51.3	73071.0	32.3	37.2	53063.6	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.



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