



**Acería Ramos Arizpe**  
 CARRETERA MONCLOVA KM 4 NUMERO 2125  
 TRAMO SANTA CRUZ OJO CALIENTE  
 C.P./ZIP RAMOS ARIZPE, COAHUILA  
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**CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST AND ANALYSIS**

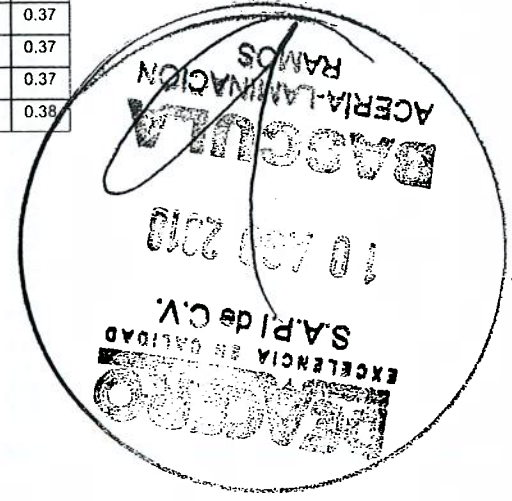
Nº Certificado / Certificate No:	125934 - 21660832
Fecha / Date:	10/08/2018

Hecho en México / Made in Mexico

DATOS DEL CLIENTE / SOLD TO		CLIENTE COMPROBADO / SHIP TO		DATOS DEL EMBARQUE / SHIPPING INFORMATION	
Cliente / Customer: PLESA ANAHUAC Y CIAS SA DE CV		Cliente / Customer: MATRIZ TULTITLAN		Núm. Viaje / Travel No: 125934	
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: FQ70139	
Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO	Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO	Pedido / Customer Order No: 21660832	
Teléfono / Phone: 10838570	Pais / Country: MEXICO C.P./ZIP 54940			Núm. Plan / Shipping Plan: 134691	
Correo Electrónico / eMail:				Fecha Embarque / Date: 10/08/2018	
				Orden de Compra / Purchase Order: 27221	

COMPOSICION 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	AVG
30851	37664	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	0.21	0.91	0.21	0.008	0.010	0.19	0.08	0.06	0.019	0.010	0.008	0.013	80	86	0.00	
30852	37650	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	0.20	0.91	0.21	0.010	0.007	0.20	0.07	0.06	0.019	0.010	0.009	0.015	80	83	0.37	
30890	37647	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	0.20	0.90	0.15	0.009	0.007	0.16	0.07	0.05	0.019	0.008	0.008	0.012	107	88	0.37	
31272	37837	79877	CANAL 8" x 11.5 A36/A572-50 12.20m 4.0T	0.20	0.92	0.20	0.009	0.008	0.19	0.05	0.06	0.020	0.009	0.008	0.011	90	94	0.37	
31277	37828	79877	CANAL 8" x 11.5 A36/A572-50 12.20m 4.0T	0.21	0.91	0.21	0.010	0.012	0.20	0.04	0.06	0.020	0.013	0.008	0.011	92	88	0.38	

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/mm²	PSI	Elong /	kg/mm²	PSI	Bend Test
						AVG	AVG	AVG	AVG	AVG	
30851	37664	60238	SOLERA 4" x 1/4" A-36 P 6.10m 2.0T	4" x 1/4"	5	43.2	61516.2	30.5	34.3	48837.3	Cumple / Successfully
30852	37650	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	4" x 3/8"	9	51.9	73967.5	34.2	36.8	52394.8	Cumple / Successfully
30890	37647	60239	SOLERA 4" x 3/8" A-36 P 6.10m 2.0T	4" x 3/8"	4	52.0	73996.0	34.8	36.4	51839.8	Cumple / Successfully
31272	37837	79877	CANAL 8" x 11.5 A36/A572-50 12.20m 4.0T	8" x 11.5	1	54.6	77752.7	22.7	39.9	56905.7	Cumple / Successfully
31277	37828	79877	CANAL 8" x 11.5 A36/A572-50 12.20m 4.0T	8" x 11.5	1	54.0	78913.1	24.7	39.8	56720.7	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)*  
**GUSTAVO GABRIEL MANCILLA GARZA**  
 Gerente de Aseguramiento de Calidad / Quality Assurance Manager