



EXCELENCIA EN CALIDAD

Acería Ramos Arizpe
 CARRETERA MONCI OVA KM 4 NUMERO 2125
 TRAMO SANTA CRUZ OJO CALIENTE
 C.P./ZIP RAMOS ARIZPE, COAHUILA
 Tel/Phone (+52) 01 818 368 1111
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CERTIFICADO DE CALIDAD /

No. Certificado / Certificate No:	133346 - 21781692
Fecha / Date:	30/11/2018

Hecho en Mexico / Made in Mexico

DATOS DEL CLIENTE / SOLD TO		CLIENTE CONSIGNADO / SHIP TO	
Cliente / Customer: ACEROS TEPOTZOTTLAN SA DE CV		Cliente / Customer: ACEROS TEPOTZOTTLAN SA DE CV	
Dirección / Address: CARR MEXICO QUERETARO KM 37.5 SN PARQUE INDUSTRIAL CUMATTLA		Dirección / Address: CARRETERA MEXICO, QUERETARO KM 37.5 - CUMATTLA	
Ciudad / City: CUAUHTTLAN IZCALLI	Estado / State: EDO. DE MEXICO	Ciudad / City: CUAUHTTLAN IZCALLI	Estado / State: EDO. DE MEXICO
Teléfono / Phone: 58727600	País / Country: MEXICO C.P./ZIP 54730		
Correo Electrónico / eMail: jgivera@deacero.com,manuel.ruiz@aceraan.com.mx,tes			
DATOS DEL EMBARQUE / SHIPPING INFORMATION		DATOS DEL EMBARQUE / SHIPPING INFORMATION	
Num. Viaje / Travel No: 133346		Num. Viaje / Travel No: 133346	
Num. Factura / Invoice No: FQ75267		Num. Factura / Invoice No: FQ75267	
Pedido / Customer Order No: 21781682		Pedido / Customer Order No: 21781682	
Num. Plan / Shipping Plan: 141638		Num. Plan / Shipping Plan: 141638	
Fecha Embarque / Date: 30/11/2018		Fecha Embarque / Date: 30/11/2018	
Orden de Compra / Purchase Order: 1277		Orden de Compra / Purchase Order: 1277	

COMPOSICIÓN QUÍMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT)																												
Cobida / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Burdite	RT	TS	% Elong	LF	YS	P. Doblez / Bend Test	% C	% Mn	% Si	% P	% S	% Cu	% Cr	% Ni	% Mo	% Sn	% Ti	% V	PPM Nb	PPM N	CE		
31894	12302	60225	SOLETA 1 1/4" x 3/16" A-36 P	1 1/4" x 3/16"	2	48.2	68659.7	31.5	32.1	45777.9	Cumple / Successfully	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG
31894	12302	60225	SOLETA 1 1/4" x 3/16" A-36 P	1 1/4" x 3/16"	2	48.2	68659.7	31.5	32.1	45777.9	Cumple / Successfully	0.14	0.68	0.23	0.009	0.014	0.25	0.07	0.08	0.020	0.012	0.001	0.002	14	93	0.27		
31892	12305	60225	SOLETA 1 1/4" x 3/16" A-36 P	1 1/4" x 3/16"	7	41.3	58855.2	32.3	27.2	38776.7	Cumple / Successfully	0.16	0.67	0.21	0.009	0.007	0.25	0.07	0.08	0.021	0.013	0.001	0.002	18	84	0.29		
31897	12304	60225	SOLETA 1 1/4" x 3/16" A-36 P	1 1/4" x 3/16"	11	42.7	60762.1	32.3	28.1	40114.3	Cumple / Successfully	0.18	0.65	0.19	0.009	0.008	0.20	0.07	0.05	0.018	0.007	0.001	0.003	38	100	0.30		
31899	12303	60225	SOLETA 1 1/4" x 3/16" A-36 P	1 1/4" x 3/16"	2	43.6	62085.4	32.3	26.9	38321.3	Cumple / Successfully	0.17	0.67	0.18	0.008	0.010	0.23	0.10	0.09	0.023	0.009	0.001	0.004	38	105	0.30		

PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES																										
Cobida / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Burdite	RT	TS	% Elong	LF	YS	P. Doblez / Bend Test	% C	% Mn	% Si	% P	% S	% Cu	% Cr	% Ni	% Mo	% Sn	% Ti	% V	PPM Nb	PPM N	CE
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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.



GUSTAVO GABRIEL MANCILLA GARZA
 Gerente de Aseguramiento de Calidad / Quality Assurance Manager