



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

Hecho en México / Made in Mexico

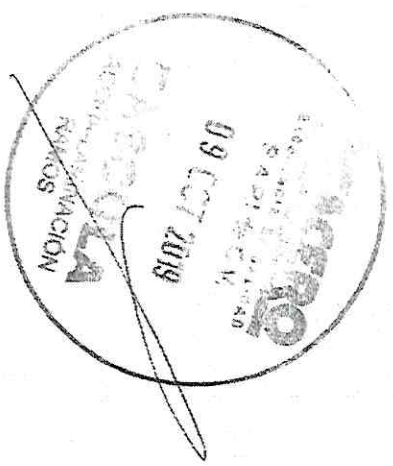
No. Certificado / Certificate No	155721 - 22332726
Fecha / Date	09/10/2019

DATOS DEL CLIENTE / SOLD TO		CLIENTE CONSIGNADO / SHIP TO	
Cliente / Customer: ACEROMEX SA DE CV		Cliente / Customer: ACEROMEX CIENEGA	
Dirección / Address: CARRETERA LIBRE FEDERAL MONTERREY LAREDO KM 27 CENTRO		Dirección / Address: CARRETERA MONTERREY - LAREDO KM 27 - - CENTRO	
Ciudad / City: CIENEGA DE FLORES	Estado / State: N.L.	Ciudad / City: CIENEGA DE FLORES	Estado / State: N.L.
Teléfono / Phone: 815555500	País / Country: MEXICO C.P./ZIP 66550		
Correo Electrónico / Email: montoya@aceromex.com			
DATOS DEL EMBARCQUE / SHIPPING INFORMATION			
Núm. Viaje / Travel No	155721		
Núm. Factura / Invoice No	FO91741		
Pedido / Customer Order No	22332726		
Núm. Plan / Shipping Plan	166555		
Fecha Embarque / Date	09/10/2019		
Orden de Compra / Purchase Order	4500270995		

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
36469	13779	79678	REDONDO S 3/8" A-36 6,10m 1,5T	0.15	0.75	0.21	0.008	0.020	0.21	0.07	0.07	0.017	0.011	0.001	0.005	10	86	0.29
36627	13821	79678	REDONDO S 3/8" A-36 6,10m 1,5T	0.16	0.66	0.18	0.006	0.010	0.23	0.07	0.10	0.020	0.009	0.001	0.004	11	86	0.28
36627	13822	79678	REDONDO S 3/8" A-36 6,10m 1,5T	0.16	0.66	0.18	0.006	0.010	0.23	0.07	0.10	0.020	0.009	0.001	0.004	11	86	0.28
36634	13781	79678	REDONDO S 3/8" A-36 6,10m 1,5T	0.15	0.74	0.19	0.007	0.009	0.20	0.08	0.09	0.022	0.010	0.001	0.005	21	82	0.29
36639	13792	79678	REDONDO S 3/8" A-36 6,10m 1,5T	0.14	0.67	0.20	0.008	0.004	0.22	0.09	0.10	0.028	0.012	0.001	0.005	10	86	0.27
36641	13788	79678	REDONDO S 3/8" A-36 6,10m 1,5T	0.13	0.74	0.20	0.006	0.007	0.20	0.06	0.05	0.013	0.006	0.001	0.005	16	86	0.27

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES														
Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Burnde	RT	TS	% Elong	LF	YS	P. Doblez / Bend Test			
						kgf/mm ²	PSI	AVG	AVG	PSI				
36469	13779	79678	REDONDO S 3/8" A-36 6,10m 1,5T	3/8"	2	52.9	75302.0		34.5	33.8	48168.5			
36627	13821	79678	REDONDO S 3/8" A-36 6,10m 1,5T	3/8"	2	51.2	72971.4		32.3	35.6	50772.6			
36627	13822	79678	REDONDO S 3/8" A-36 6,10m 1,5T	3/8"	13	51.2	72971.4		32.1	35.6	50772.6			
36634	13781	79678	REDONDO S 3/8" A-36 6,10m 1,5T	3/8"	1	46.2	65842.2		33.0	31.2	44511.4			
36639	13792	79678	REDONDO S 3/8" A-36 6,10m 1,5T	3/8"	1	47.5	67606.7		30.5	34.1	48652.3			
36641	13788	79678	REDONDO S 3/8" A-36 6,10m 1,5T	3/8"	1	48.7	69314.3		30.5	31.5	44824.5			

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 B552, 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 B552, ASTM A6/A6M-2012.



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

