



Acería Ramos Arizpe
 CARRETERA MONCLOVA KM 4 NUMERO 2125.
 TRA
 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:	62318 - 20355962
Fecha / Date:	05/02/2016

Hecho en México / Made in Mexico

DATOS DEL CLIENTE / SOLD TO		CLIENTE CONSIGNADO / SHIP TO		DATOS DEL EMBARQUE / SHIPPING INFORMATION	
Cliente / Customer	ACEROMEX SA DE CV	Cliente / Customer:	TULTITLAN	Núm. Viaje / Travel No:	62318
Dirección / Address	CARRETERA LIBRE FEDERAL MONTERREY LAREDO KM 27 CENTRO	Dirección / Address:	VIA JOSE LOPEZ PORTILLO # 12 BIS COL. SAN FRANCISCO CHILPA	Núm. Factura / Invoice No:	FQ34811
Ciudad / City	CIENEGA DE FLORES	Ciudad / City:	TULTITLAN	Pedido / Customer Order No:	20355962
Estado / State	N.L.	Estado / State:	EDO. DE MEXICO	Núm. Plan / Shipping Plan:	67201
Teléfono / Phone	81555500			Fecha Embarque / Date:	05/02/2016
País / Country	MEXICO C.P./ZIP 65550			Orden de Compra / Purchase Order:	4500142009
Correo Electrónico / eMail					

COMPOSICIÓN QUÍMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT)																			
Calada / 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	
14484	5440	79678	REDONDO S 3/8" A-36 6 10m 1.5T	0.15	0.69	0.20	0.008	0.004	0.23	0.07	0.15	0.030	0.013	0.000	0.004	11	88	0.28	
14992	5635	62108	SOLERA 1 1/2" x 1/8" A-36 6 10m 2 0T	0.15	0.67	0.18	0.011	0.005	0.21	0.09	0.11	0.025	0.012	0.000	0.004	16	104	0.28	
13574	5298	60219	SOLERA 3/4" x 1/8" A-36 6.10m 2 0T	0.15	0.69	0.18	0.011	0.006	0.20	0.08	0.08	0.020	0.011	0.000	0.007	12	102	0.28	
14180	5348	63047	ANGULO L1 3/4" x 3/4" x 1/8" A-36 6 10m 1 1T	0.16	0.66	0.18	0.009	0.005	0.22	0.07	0.08	0.024	0.015	0.000	0.003	2	16	100	0.29
14183	5349	63047	ANGULO L1 3/4" x 3/4" x 1/8" A-36 6 10m 1 1T	0.16	0.65	0.18	0.009	0.005	0.25	0.13	0.09	0.030	0.016	0.000	0.003	0	16	100	0.29
11934	21543	60393	CANAL 6" x 10 5 A-36 6 10m 2 0T	0.07	1.00	0.23	0.008	0.009	0.11	0.04	0.06	0.014	0.007	0.010	0.006	310	90	0.00	
14885	23413	79878	CANAL 8" x 13.75 A36/A572-50 6 10m 3 0T	0.22	0.91	0.21	0.010	0.009	0.08	0.05	0.04	0.011	0.006	0.008	0.015	96	88	0.38	

PROPIEDADES MECÁNICAS / MECHANICAL PROPERTIES											
Calada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	R1 kg/mm²	TS PSI	% Elong / Elong	LF kg/mm²	YS PSI	P. Doblez / Bend Test
14484	5440	79678	REDONDO S 3/8" A-36 6 10m 1.5T	3/8"	4	43.5	61962.9	28.1	29.5	41972.6	Cumple / Successfully
14992	5635	62108	SOLERA 1 1/2" x 1/8" A-36 6.10m 2 0T	1 1/2" x 1/8"	3	43.8	62432.4	28.2	30.6	43580.3	Cumple / Successfully
13574	5298	60219	SOLERA 3/4" x 1/8" A-36 6.10m 2 0T	3/4" x 1/8"	3	46.8	66601.2	29.1	33.1	47222.7	Cumple / Successfully
14180	5348	63047	ANGULO L1 3/4" x 3/4" x 1/8" A-36 6 10m 1 1T	3/4" x 3/4" x 1/8"	5	43.3	61621.4	28.4	30.9	44092.5	Cumple / Successfully
14183	5349	63047	ANGULO L1 3/4" x 3/4" x 1/8" A-36 6 10m 1 1T	3/4" x 3/4" x 1/8"	5	43.7	62233.2	29.6	31.9	45401.5	Cumple / Successfully
11934	21543	60393	CANAL 6" x 10 5 A-36 6 10m 2 0T	6" x 10 5	7	54.0	76888.1	28.4	40.4	57523.8	Cumple / Successfully
14885	23413	79878	CANAL 8" x 13.75 A36/A572-50 6 10m 3 0T	8" x 13 75	2	50.9	72448.9	35.6	38.2	51590.7	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, A572-2005 (re aprobada en 2009), A572-2012 y A992-2011 y a las normas dimensionales NMX B252, ASTM A6/AGM-2012 / We certify that this material has been produced, inspected and tested according to standards applicable steelmaking to ASTM A36-2008, A572-2005 (Reapproved 2009), A572-2012 y A992-2011 and the dimensional standards NMX B252, ASTM A6/AGM-2012.



Francisco Vargas Soto
 FRANCISCO JAVIER VARGAS SOTO
 Gerente de Aseguramiento de Calidad / Quality Assurance Manager

