



EXCELENCIA EN CALIDAD

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

No. Certificado / Certificate No.	149402 - 22202983
Fecha / Date	16/07/2019

Hecho en México / Made in Mexico

DATOS DEL CLIENTE / SOLD TO		CLIENTE CONSIGNADO / SHIP TO	
Cliente / Customer:	ACEROMEX SA DE CV	Cliente / Customer:	ALMACEN DE PT SAN JUAN BOSCO
Dirección / Address:	CARRETERA LIBRE FEDERAL MONTERREY LAREDO KM 27 CENTRO	Dirección / Address:	BLVD. SAN JUAN BOSCO 1507 VISTA HERMOSA
Ciudad / City:	CIENEGA DE FLORES	Ciudad / City:	LEON
Teléfono / Phone:	815555500	Estado / State:	GUANAJUATO
Correo Electrónico / eMail:	lmontoyaa@aceromex.com	País / Country:	MEXICO C.P./ZIP 65550

Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	COMPOSICIÓN QUÍMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT)														PPM Nb	PPM N	CE
				% C	% Mn	% Si	% P	% S	% Cu	% Cr	% Ni	% Mo	% Sn	% Ti	% V	AVG	AVG			
36225	42206	60132	REDONDO S 1" A-36 P 6.10m 2.0T	0.21	0.72	0.21	0.010	0.011	0.22	0.08	0.08	0.09	0.025	0.011	0.001	0.005	2	87	0.35	
35150	13042	60120	CUADRADO S 3/8" A-36 6.10m 1.5T	0.14	0.68	0.20	0.008	0.007	0.21	0.07	0.07	0.021	0.010	0.001	0.003	13	92	0.27		
34928	41474	60232	SOLEIRA 3" x 1/4" A-36 P 6.10m 2.0T	0.20	0.92	0.19	0.011	0.008	0.18	0.07	0.08	0.01	0.010	0.010	0.005	266	92.00	0.373		
34933	41467	60232	SOLEIRA 3" x 1/4" A-36 P 6.10m 2.0T	0.21	0.72	0.21	0.008	0.018	0.28	0.08	0.09	0.02	0.013	0.002	0.004	12	92.00	0.350		
36482	42356	60238	SOLEIRA 4" x 1/4" A-36 P 6.10m 2.0T	0.22	0.72	0.19	0.009	0.009	0.26	0.09	0.10	0.02	0.010	0.001	0.005	11	89.00	0.366		
36489	42356	60238	SOLEIRA 4" x 1/4" A-36 P 6.10m 2.0T	0.20	0.76	0.19	0.010	0.020	0.26	0.11	0.07	0.01	0.011	0.001	0.006	10	90.00	0.352		
36415	2075	60287	ANGULO L1 1 1/2" x 1 1/2" x 3/16" A-36 P 6.10m 2.0T	0.22	0.73	0.20	0.010	0.013	0.22	0.05	0.12	0.018	0.010	0.001	0.004	1	96	0.36		
36662	2093	60286	ANGULO L1 1 1/4" x 1 1/4" x 1/4" A-36 P 6.10m 1.1T	0.20	0.76	0.21	0.006	0.014	0.19	0.08	0.07	0.019	0.008	0.001	0.005	6	94	0.34		
36662	2094	60286	ANGULO L1 1 1/4" x 1 1/4" x 1/4" A-36 P 6.10m 1.1T	0.20	0.76	0.21	0.006	0.014	0.19	0.08	0.07	0.019	0.008	0.001	0.005	6	94	0.34		
36370	42291	60292	ANGULO L1 2 1/2" x 2 1/2" x 3/16" A-36 P 6.10m 1.1T	0.22	0.72	0.21	0.009	0.004	0.26	0.10	0.08	0.018	0.010	0.001	0.004	9	96	0.36		
36294	13612	63047	ANGULO L1 3/4" x 3/4" x 1/8" A-36 P 6.10m 1.1T	0.17	0.68	0.19	0.010	0.002	0.25	0.10	0.07	0.019	0.010	0.001	0.004	8	107	0.31		
36473	13611	63047	ANGULO L1 3/4" x 3/4" x 1/8" A-36 P 6.10m 1.1T	0.15	0.67	0.18	0.007	0.006	0.20	0.08	0.10	0.023	0.007	0.001	0.003	2	82	0.28		
32397	38420	60389	CANAL 3" x 3.5 A-36 P 6.10m 2.0T	0.21	0.73	0.20	0.007	0.007	0.20	0.08	0.07	0.020	0.012	0.001	0.003	28	86	0.35		
35439	41663	60389	CANAL 3" x 3.5 A-36 P 6.10m 2.0T	0.21	0.72	0.21	0.011	0.003	0.24	0.09	0.07	0.016	0.010	0.001	0.004	5	90	0.35		
36210	42166	63092	VIGA S 4" x 7.7 A36/A572-50 P 6.10m 2.0T	0.21	0.90	0.19	0.013	0.003	0.20	0.10	0.07	0.020	0.010	0.009	0.005	280	90	0.00		

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), A572-50 2012 Y A592-2011 y a las normas dimensionales NMX B252, ASTM A6/ASME-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), A572-50 2012 Y A992-2011, and the dimensional standards NMX B252, ASTM A6/ASME-2012.



Juan Alejandro Galvan Garcia

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



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PROPIEDADES MECANICAS / MECHANICAL PROPERTIES

Cola / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT / kgf/mm ² AVG	TS / PSI AVG	% Elong / Elong AVG	LF / kgf/mm ² AVG	YS / PSI AVG	P. Doblez / Bend Test
36225	42206	60132	REDONDO S 1" A-36 P 6.10m 2.0T	1"	1	46.4	66155.2	30.6	28.7	40968.5	Cumple / Successfully
35150	13042	60120	CUADRNADO S 3/8" A-36 6.10m 1.5T	3/8"	1	52.9	75362.0	24.7	34.2	48680.8	Cumple / Successfully
34928	41474	60232	SOLEERA 3" x 1/4" A-36 P 6.10m 2.0T	3" x 1/4"	1	48.3	68816.2	24.7	35.9	51171.0	Cumple / Successfully
34933	41467	60232	SOLEERA 3" x 1/4" A-36 P 6.10m 2.0T	3" x 1/4"	1	48.7	69399.7	24.7	38.8	55283.5	Cumple / Successfully
36482	42358	60238	SOLEERA 4" x 1/4" A-36 P 6.10m 2.0T	4" x 1/4"	1	52.1	74138.3	32.7	37.5	53362.5	Cumple / Successfully
36489	42356	60238	SOLEERA 4" x 1/4" A-36 P 6.10m 2.0T	4" x 1/4"	1	51.3	73127.9	32.3	37.8	53889.0	Cumple / Successfully
36415	2075	60287	ANGULO L1 1/2" x 1 1/2" x 3/16" A-36 P 6.10m 2.0T	1 1/2" x 1 1/2" x 3/16"	2	51.4	73270.2	32.1	37.3	53163.2	Cumple / Successfully
36662	2093	60286	ANGULO L1 1/4" x 1 1/4" x 1/4" A-36 P 6.10m 1.1T	1 1/4" x 1 1/4" x 1/4"	1	43.9	62483.9	34.3	29.2	41608.5	Cumple / Successfully
36662	2094	60286	ANGULO L1 1/4" x 1 1/4" x 1/4" A-36 P 6.10m 1.1T	1 1/4" x 1 1/4" x 1/4"	2	46.6	66368.7	34.7	30.3	43173.8	Cumple / Successfully
36370	42291	60292	ANGULO L1 2 1/2" x 2 1/2" x 3/16" A-36 P 6.10m 2.0T	2 1/2" x 2 1/2" x 3/16"	1	42.0	59794.4	32.3	26.7	38051.0	Cumple / Successfully
36294	13612	63047	ANGULO L1 3/4" x 3/4" x 1/8" A-36 P 6.10m 1.1T	3/4" x 3/4" x 1/8"	3	53.7	76472.0	34.6	29.7	42391.1	Cumple / Successfully
36473	13611	63047	ANGULO L1 3/4" x 3/4" x 1/8" A-36 P 6.10m 1.1T	3/4" x 3/4" x 1/8"	1	49.5	70495.4	31.7	33.9	48339.3	Cumple / Successfully
32397	38420	60389	CANAL 3" x 3.5 A-36 P 6.10m 2.0T	3" x 3.5	1	51.1	72843.3	32.1	37.4	53334.0	Cumple / Successfully
35439	41693	60389	CANAL 3" x 3.5 A-36 P 6.10m 2.0T	3" x 3.5	1	53.6	76329.7	34.5	32.0	45564.4	Cumple / Successfully
36210	42166	63092	VIGA S 4" x 7.7 A36/A572-50 6.10m 2.0T	4" x 7.7	1	52.0	74024.4	24.7	36.7	56578.4	Cumple / Successfully

OTROS DATOS ADICIONALES / ADDITIONAL INFORMATION
 Elongación en 2" /



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), A572-50 2012 y A992-2011 y a las normas dimensionales NMX B252, ASTM A6/6M-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), A572-50 2012 y A992-2011, and the dimensional standards NMX B252, ASTM A6/6M-2012.

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