



EXCELENCIA EN CALIDAD

Acería Ramos Arizpe
 CARRETERA MONCLOVA KM 4 NUMERO 2125
 TRAMO SANTA CRUZ OJO CALIENTE
 C.P./ZIP RAMOS ARIZPE, COAHUILA
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 MX 01 800 021 3322, USA 1800 332 2976

CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST
 AND ANALYSIS

No. Certificado / Certificate No:	188297 - 22984055
Fecha / Date:	21/11/2020

Hecho en México / Made in Mexico

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES

Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT AVG	TS PSI AVG	% Elong / Elong AVG	LF AVG	YS PSI AVG	P. Doblez / Bend Test
46268	9667	60134	REDONDO S 1 1/4" A-36 6.10m 1.5T	1 1/4"	1	45.8	65208.9	22.3	36.1	51464.2	Cumple / Successfully
46268	9668	60134	REDONDO S 1 1/4" A-36 6.10m 1.5T	1 1/4"	7	46.0	65574.6	22.3	36.3	51681.9	Cumple / Successfully
46268	9669	60134	REDONDO S 1 1/4" A-36 6.10m 1.5T	1 1/4"	4	45.6	64988.4	22.3	35.9	51155.4	Cumple / Successfully
45488	8821	60126	CUADRADO S 12mm A-36 6.10m 2.0T	12mm	3	47.3	67411.7	22.3	32.8	46766.8	Cumple / Successfully
45488	8822	60126	CUADRADO S 12mm A-36 6.10m 2.0T	12mm	2	47.4	67511.3	22.4	33.2	47317.5	Cumple / Successfully
45699	16471	60120	CUADRADO S 3/8" A-36 6.10m 2.0T	3/8"	1	54.3	77328.6	32.8	42.5	60542.9	Cumple / Successfully
45699	16472	60120	CUADRADO S 3/8" A-36 6.10m 2.0T	3/8"	6	55.0	78270.6	32.8	43.9	62569.3	Cumple / Successfully
45957	9374	65009	ANGULO L 1 1/2" x 1 1/2" x 0.109" A-36 6.10m 2.0T	1 1/2" x 1 1/2" x 0.109"	1	54.1	76985.7	30.8	39.8	56692.3	Cumple / Successfully
45962	9375	65009	ANGULO L 1 1/2" x 1 1/2" x 0.109" A-36 6.10m 2.0T	1 1/2" x 1 1/2" x 0.109"	1	53.2	75734.9	30.4	41.6	59310.6	Cumple / Successfully
46116	9467	65009	ANGULO L 1 1/2" x 1 1/2" x 0.109" A-36 6.10m 2.0T	1 1/2" x 1 1/2" x 0.109"	1	53.3	75938.3	30.6	37.4	53279.9	Cumple / Successfully
45965	9386	60900	ANGULO L 1 1/2" x 1 1/2" x 1/8" A-36 6.10m 2.0T	1 1/2" x 1 1/2" x 1/8"	1	54.2	77234.7	22.3	40.6	57782.3	Cumple / Successfully
45328	8613	60289	ANGULO L 2" x 2" x 1/8" A-36 P 6.10m 2.0T	2" x 2" x 1/8"	1	41.4	58987.6	28.4	30.9	44054.6	Cumple / Successfully
46105	9530	60289	ANGULO L 2" x 2" x 1/8" A-36 P 6.10m 2.0T	2" x 2" x 1/8"	3	50.2	71514.2	30.4	40.8	58061.2	Cumple / Successfully
46105	9531	60289	ANGULO L 2" x 2" x 1/8" A-36 P 6.10m 2.0T	2" x 2" x 1/8"	1	51.9	73890.6	30.8	41.7	59344.7	Cumple / Successfully
46106	9529	60289	ANGULO L 2" x 2" x 1/8" A-36 P 6.10m 2.0T	2" x 2" x 1/8"	1	52.8	75266.7	31.0	40.2	57258.6	Cumple / Successfully

OTROS DATOS ADICIONALES / ADDITIONAL INFORMATION

Acero fundido y colado en México / Steel melted and poured in Mexico

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 A616M-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 A616M-2012.



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





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DATOS DEL CLIENTE / SOLD TO		CLIENTE CONSIGNADO / SHIP TO		DATOS DEL EMBARQUE / SHIPPING INFORMATION	
Cliente / Customer: PLESA ANAHUAC Y CIAS SA DE CV	Estado / State: EDO. DE MEXICO	Cliente / Customer: MATRIZ TULTITLAN	Estado / State: EDO. DE MEXICO	Núm. Viaje / Travel No.: 188297	
Dirección / Address: AV VALLE DE LAS ALMEDAS 66 0 SAN FRANCISCO CHILPAN	Ciudad / City: TULTITLAN	Dirección / Address: AV VALLE DE LAS ALMEDAS 66 0 66 SAN FRANCISCO CHILPAN	Ciudad / City: TULTITLAN	Núm. Factura / Invoice No.: FQ114419	
Teléfono / Phone: 10838570	Pais / Country: MEXICO C.P./ZIP 54940			Pedido / Customer Order No.: 22984055	
Correo Electrónico / eMail: rcaballas@plesa.com.mx				Núm. Plan / Shipping Plan: 203081	
				Fecha Embarque / Date: 21/11/2020	
				Orden de Compra / Purchase Order: 30489	

Cotada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	COMPOSICION QUIMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT)														CE
				% C	% Mn	% Si	% P	% S	% Cu	% Cr	% Ni	% Mo	% Sn	% Ti	% V	PPM Nb	PPM N	
46268	9667	60134	REDONDO S 1 1/4" A-36 6.10m 1.5T	0.22	0.77	0.20	0.009	0.014	0.23	0.08	0.07	0.024	0.015	0.001	0.004	22	100	0.37
46268	9668	60134	REDONDO S 1 1/4" A-36 6.10m 1.5T	0.22	0.77	0.20	0.009	0.014	0.23	0.08	0.07	0.024	0.015	0.001	0.004	22	100	0.37
46268	9669	60134	REDONDO S 1 1/4" A-36 6.10m 1.5T	0.22	0.77	0.20	0.009	0.014	0.23	0.08	0.07	0.024	0.015	0.001	0.004	22	100	0.37
45488	8821	60126	CUADRADO S 12mm A-36 6.10m 2.0T	0.14	0.69	0.20	0.018	0.005	0.33	0.22	0.09	0.024	0.010	0.001	0.002	18	93	0.33
45488	8822	60126	CUADRADO S 12mm A-36 6.10m 2.0T	0.14	0.69	0.20	0.018	0.005	0.33	0.22	0.09	0.024	0.010	0.001	0.002	18	93	0.33
45488	8821	60126	CUADRADO S 12mm A-36 6.10m 2.0T	0.14	0.69	0.20	0.018	0.005	0.33	0.22	0.09	0.024	0.010	0.001	0.002	18	93	0.33
45488	8822	60126	CUADRADO S 12mm A-36 6.10m 2.0T	0.14	0.69	0.20	0.018	0.005	0.33	0.22	0.09	0.024	0.010	0.001	0.002	18	93	0.33
45699	16471	60120	CUADRADO S 3/8" A-36 6.10m 2.0T	0.14	0.67	0.20	0.009	0.004	0.25	0.09	0.09	0.025	0.009	0.001	0.001	18	86	0.30
45699	16472	60120	CUADRADO S 3/8" A-36 6.10m 2.0T	0.14	0.67	0.20	0.009	0.004	0.25	0.09	0.09	0.025	0.009	0.001	0.001	18	86	0.30
45957	9374	65009	ANGULO L 1 1/2" x 1 1/2" x 0.109" A-36 6.10m 2.0T	0.21	0.74	0.21	0.006	0.006	0.19	0.07	0.06	0.027	0.008	0.001	0.001	15	92	0.35
45957	9375	65009	ANGULO L 1 1/2" x 1 1/2" x 0.109" A-36 6.10m 2.0T	0.21	0.76	0.22	0.007	0.004	0.19	0.07	0.06	0.019	0.009	0.001	0.003	14	85	0.35
46116	9467	65009	ANGULO L 1 1/2" x 1 1/2" x 0.109" A-36 6.10m 2.0T	0.21	0.70	0.18	0.007	0.006	0.24	0.11	0.06	0.024	0.009	0.000	0.000	3	94	0.35
45965	9386	60900	ANGULO L 1 1/2" x 1 1/2" x 1/8" A-36 6.10m 2.0T	0.21	0.76	0.20	0.008	0.013	0.18	0.05	0.05	0.020	0.007	0.001	0.002	18	90	0.35
45328	8613	60289	ANGULO L 2" x 2" x 1/8" A-36 P 6.10m 2.0T	0.22	0.71	0.20	0.010	0.009	0.27	0.08	0.08	0.017	0.012	0.001	0.002	16	96	0.36
46105	9530	60289	ANGULO L 2" x 2" x 1/8" A-36 P 6.10m 2.0T	0.21	0.74	0.20	0.012	0.005	0.21	0.10	0.07	0.028	0.010	0.001	0.000	12	90	0.35
46105	9531	60289	ANGULO L 2" x 2" x 1/8" A-36 P 6.10m 2.0T	0.21	0.74	0.20	0.012	0.005	0.21	0.10	0.07	0.028	0.010	0.001	0.000	12	90	0.35
46106	9529	60289	ANGULO L 2" x 2" x 1/8" A-36 P 6.10m 2.0T	0.20	0.70	0.19	0.011	0.007	0.21	0.08	0.06	0.024	0.011	0.001	0.002	12	95	0.34

DEACERO
 EXCELENCIA EN CALIDAD
 SAPI de C.V.
 21 NOV 2020
BASCULA
 ACERIA-LAMINACION
 RAMOS

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/AGM-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/AGM-2012.

Juan Alejandro Galvan Garcia

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