



EXCELENCIA EN CALIDAD

Acería 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

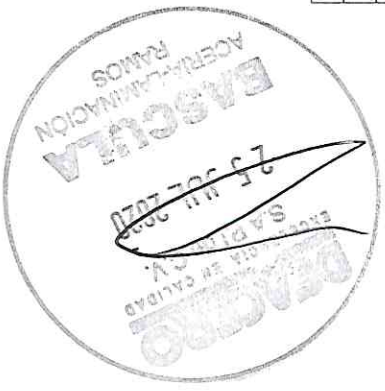
No. Certificado / Certificate No:	179162 - 22777983
Fecha / Date:	25/07/2020

DATOS DEL CLIENTE / SOLD TO		CLIENTE CONSIGNADO / SHIP TO	
Cliente / Customer: PLESA ANAHUAC Y CIAS SA DE CV		Cliente / Customer: MATRIZ TULTITLAN	
Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN		Dirección / Address: AV VALLE DE LAS ALAMEDAS 66 0 66 SAN FRANCISCO CHILPAN	
Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO	Ciudad / City: TULTITLAN	Estado / State: EDO. DE MEXICO
Teléfono / Phone: 10838570	País / Country: MEXICO C.P./ZIP 54940		
Correo Electrónico / eMail: rcaeballos@pleesa.com.mx			
DATOS DEL EMBARQUE / SHIPPING INFORMATION		DATOS DEL EMBARQUE / SHIPPING INFORMATION	
	Núm. Viaje / Travel No: 179162		Núm. Factura / Invoice No: FQ108080
			Pedido / Customer Order No: 22777983
			Núm. Plan / Shipping Plan: 191498
			Fecha Embarque / Date: 25/07/2020
			Orden de Compra / Purchase Order: 30006

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
42466	15607	60224	SOLEIRA 1 1/4" x 1/8" A-36 6.10m 2.0T	AVG 0.13	AVG 0.65	AVG 0.18	AVG 0.010	AVG 0.009	AVG 0.23	AVG 0.07	AVG 0.07	AVG 0.021	AVG 0.009	AVG 0.000	AVG 0.003	1	93	0.28
43823	15960	60221	SOLEIRA 1" x 1/8" A-36 6.10m 2.0T NMX B252/ASTM A6	0.14	0.67	0.21	0.012	0.006	0.20	0.09	0.15	0.025	0.009	0.001	0.005	5	86	0.30
43704	47849	60297	ANGULO L 4" x 4" x 1/4" A-36 P 6.10m 2.0T	0.20	0.85	0.20	0.011	0.005	0.20	0.06	0.06	0.016	0.008	0.003	0.005	154	88	0.35
43710	47882	60299	ANGULO L 4" x 4" x 3/8" A-36 P 6.10m 2.0T	0.20	0.71	0.18	0.012	0.007	0.24	0.07	0.08	0.020	0.011	0.000	0.005	8	52	0.34
43720	47884	60299	ANGULO L 4" x 4" x 3/8" A-36 P 6.10m 2.0T	0.20	0.72	0.21	0.011	0.016	0.25	0.06	0.07	0.016	0.011	0.000	0.004	9	77	0.34
44054	48236	60390	CANAL 3" x 4.1 A-36 6.10m 2.0T	0.23	0.72	0.20	0.010	0.012	0.26	0.05	0.07	0.022	0.011	0.001	0.005	16	84	0.36
44055	48235	60390	CANAL 3" x 4.1 A-36 6.10m 2.0T	0.21	0.74	0.21	0.012	0.008	0.26	0.06	0.07	0.019	0.010	0.001	0.005	11	100	0.35
44051	48257	62051	CANAL 3" x 4.1 A36/629-50 12.20m 4.0T	0.21	0.73	0.21	0.013	0.008	0.29	0.09	0.09	0.022	0.014	0.001	0.004	12	84	0.35

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES												
Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT	TS	% Elong	LF	YS	P. Doblez / Bend Test	
						kgf/mm²	PSI	AVG	kgf/mm²	PSI		
42466	15607	60224	SOLEIRA 1 1/4" x 1/8" A-36 6.10m 2.0T NMX B252/ASTM A6	1 1/4" x 1/8"	1	48.9	6955.8	31.8	34.5	49150.4	Cumple / Successfully	
43823	15960	60221	SOLEIRA 1" x 1/8" A-36 6.10m 2.0T NMX B252/ASTM A6	1" x 1/8"	1	47.8	68147.4	32.8	35.4	50438.2	Cumple / Successfully	
43704	47849	60297	ANGULO L 4" x 4" x 1/4" A-36 P 6.10m 2.0T	4" x 4" x 1/4"	4	44.9	63961.0	33.0	28.5	40619.5	Cumple / Successfully	
43710	47882	60299	ANGULO L 4" x 4" x 3/8" A-36 P 6.10m 2.0T	4" x 4" x 3/8"	1	53.3	75905.6	32.5	40.8	58085.4	Cumple / Successfully	
43720	47884	60299	ANGULO L 4" x 4" x 3/8" A-36 P 6.10m 2.0T	4" x 4" x 3/8"	4	52.3	74505.4	32.8	40.2	57278.5	Cumple / Successfully	
44054	48236	60390	CANAL 3" x 4.1 A-36 6.10m 2.0T	3"	2	44.8	63808.7	32.1	31.2	44531.3	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, 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.



Juan Alejandro Galvan Garcia

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



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Cota / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT		TS		%Elong / Elong		LF		YS		P. Doblez / Bend Test
						kgf/mm ² AVG	PSI AVG	PSI AVG	AVG	kgf/mm ² AVG	PSI AVG	PSI AVG				
44055	48235	60390	CANAL 3" x 4.1 A-36 6.10m 2.0T	3"	1	43.8	62401.3	32.3	30.1	42920.5	Cumple / Successfully					
44051	48257	62051	CANAL 3" x 4.1 A36/529-50 12.20m 4.0T	3"	1	53.0	75428.9	32.3	40.0	57040.9	Cumple / Successfully					



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