



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.	175648 - 22709499
Fecha / Date	11/06/2020

Hecho en México / Made in Mexico

DATOS DEL CLIENTE / SOLD TO

Cliente / Customer:	PLESA ANAHUAC Y CIAS SA DE CV
Dirección / Address:	AV VALLE DE LAS ALAMEDAS 66 0 SAN FRANCISCO CHILPAN
Ciudad / City:	TULTITLAN
Estado / State:	EDO. DE MEXICO
Teléfono / Phone:	108388570
País / Country:	MEXICO C.P./ZIP 54940
Correo Electrónico / Email:	crebailos@pleesa.com.mx

CLIENTE CONSIGNADO / SHIP TO

Cliente / Customer:	MATRIZ TULTITLAN
Dirección / Address:	AV VALLE DE LAS ALAMEDAS 66 0 66 SAN FRANCISCO CHILPAN
Ciudad / City:	TULTITLAN
Estado / State:	EDO. DE MEXICO

DATOS DEL EMBARQUE / SHIPPING INFORMATION

Núm. Viaje / Travel No.:	175648
Núm. Factura / Invoice No.:	FQ105982
Pedido / Customer Order No.:	22709499
Núm. Plan / Shipping Plan:	187635
Fecha Embarque / Date:	11/06/2020
Orden de Compra / Purchase Order:	29875/2988

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
42463	15628	60224	SOLERA 1 1/4" x 1/8" A-36 6.10m 2.0T	0.14	0.65	0.19	0.009	0.004	0.20	0.07	0.07	0.023	0.006	0.001	0.003	1	88	0.29
43217	6591	60225	SOLERA 1 1/4" x 3/16" A-36 6.10m 2.0T	0.17	0.66	0.19	0.011	0.010	0.27	0.08	0.12	0.028	0.012	0.001	0.003	12	78	0.33
43224	6588	60225	SOLERA 1 1/4" x 3/16" A-36 6.10m 2.0T	0.14	0.67	0.19	0.018	0.017	0.32	0.12	0.09	0.026	0.015	0.001	0.004	11	94	0.31
42497	15551	60221	SOLERA 1" x 1/8" A-36 6.10m 2.0T NMX B252/ASTM A6	0.14	0.69	0.21	0.009	0.004	0.23	0.05	0.06	0.020	0.009	0.001	0.004	0	108	0.29
43218	6571	60231	SOLERA 2 1/2" x 1/4" A-36 6.10m 2.0T NMX B252/ASTM A6	0.15	0.67	0.18	0.013	0.016	0.27	0.09	0.11	0.026	0.012	0.001	0.005	9	81	0.31
43138	47466	60233	SOLERA 3" x 3/8" A-36 6.10m 2.0T NMX B252/ASTM A6	0.22	0.73	0.19	0.014	0.011	0.28	0.12	0.10	0.024	0.010	0.001	0.002	1	98	0.37
42281	5674	60340	ANGULO L1 1/2" x 1 1/2" x 1/8" A36/529-50 12.20m 4.0T	0.20	0.75	0.20	0.007	0.015	0.26	0.06	0.07	0.023	0.009	0.001	0.005	14	88	0.34
43408	47678	60346	ANGULO L1 2 1/2" x 2 1/2" x 3/16" A36/529-50 12.20m 4.0T	0.22	0.77	0.21	0.013	0.007	0.26	0.04	0.11	0.023	0.012	0.001	0.004	16	90	0.37
43283	47581	60348	ANGULO L1 3" x 3" x 3/16" A36/529-50 12.20m 4.0T	0.20	0.73	0.20	0.016	0.010	0.23	0.06	0.07	0.016	0.009	0.001	0.002	15	91	0.34
42524	47640	10111	ANGULO L1 3" x 3" x 3/8" A572-50 12.20m 4.0T (NOM)	0.21	0.91	0.19	0.017	0.004	0.20	0.08	0.08	0.016	0.013	0.008	0.011	88	88	0.38
43141	47527	79856	ANGULO L1 6" x 6" x 5/8" A36/529-50 12.20m 4.0T	0.20	0.91	0.20	0.008	0.014	0.21	0.06	0.08	0.024	0.008	0.008	0.010	86	94	0.37
42901	47281	61880	CANAL 4" x 5.4 A-36 12.20m 4.0T	0.20	0.70	0.20	0.008	0.011	0.25	0.04	0.07	0.017	0.009	0.001	0.002	20	91	0.33
38535	44128	60410	CANAL 6" x 13.0 A36/A572-50 12.20m 4.0T	0.07	1.01	0.21	0.008	0.004	0.11	0.07	0.04	0.015	0.006	0.010	0.007	322	96	0.25

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES

Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Capacidad / Bundle	RT / kg/mm ² / AVG	TS / PSI / AVG	% Elong / AVG	LF / kg/mm ² / AVG	YS / PSI / AVG	P. Doblez / Bend Test
42463	15628	60224	SOLERA 1 1/4" x 1/8" A-36 6.10m 2.0T NMX B252/ASTM A6	1 1/4" x 1/8"	1	50.2	71477.2	32.1	43.4	61829.3	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





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 Mexico / Made in Mexico

No. Certificado / Certificate No:	175648 - 22709499
Fecha / Date:	11/08/2020

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES

Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT / kg/mm ² AVG	TS / PSI AVG	% Elong / Elong AVG	LF / kg/mm ² AVG	YS / PSI AVG	P. Doblez / Bend Test
43217	6591	60225	SOLEIRA 1 1/4" x 3/16" A-36 6.10m 2.0T NMX B252/ASTM A6	1 1/4" x 3/16"	1	43.4	61766.7	32.3	29.5	42001.2	Cumple / Successfully
43224	6588	60225	SOLEIRA 1 1/4" x 3/16" A-36 6.10m 2.0T NMX B252/ASTM A6	1 1/4" x 3/16"	1	41.7	59394.5	32.3	31.8	45262.7	Cumple / Successfully
42497	15551	60221	SOLEIRA 1" x 1/8" A-36 6.10m 2.0T NMX B252/ASTM A6	1" x 1/8"	1	47.9	68175.9	32.3	35.8	51000.3	Cumple / Successfully
43218	6571	60231	SOLEIRA 2 1/2" x 1/4" A-36 6.10m 2.0T NMX B252/ASTM A6	2 1/2" x 1/4"	1	45.8	65197.5	32.3	34.8	49649.8	Cumple / Successfully
43138	47466	60233	SOLEIRA 3" x 3/8" A-36 6.10m 2.0T NMX B252/ASTM A6	3" x 3/8"	3	51.8	73738.4	32.8	39.5	56291.0	Cumple / Successfully
42281	5674	60340	ANGULO L1 1 1/2" x 1 1/2" x 1/8" A36/529-50 12.20m 4.0T	1 1/2" x 1 1/2" x 1/8"	2	53.1	75571.2	30.5	38.1	54337.2	Cumple / Successfully
43408	47678	60346	ANGULO L1 2 1/2" x 2 1/2" x 3/16" A36/529-50 12.20m 4.0T	2 1/2" x 2 1/2" x 3/16"	1	52.9	75335.0	33.4	40.1	57079.3	Cumple / Successfully
43283	47581	60348	ANGULO L1 3" x 3" x 3/16" A36/529-50 12.20m 4.0T	3" x 3" x 3/16"	1	52.5	74839.8	32.8	41.0	58475.3	Cumple / Successfully
42524	47640	10111	ANGULO L1 3" x 3" x 3/8" A572-50 12.20m 4.0T (NOM)	3" x 3" x 3/8"	1	52.0	74125.4	31.1	37.0	52764.8	Cumple / Successfully
43141	47527	79956	ANGULO L1 6" x 6" x 5/8" A36/529-50 12.20m 4.0T	6" x 6" x 5/8"	1	51.8	73791.0	32.4	39.9	56803.3	Cumple / Successfully
42901	47281	61880	CANAL 4" x 5.4 A-36 12.20m 4.0T	4"	1	54.7	77843.7	32.7	39.6	56487.4	Cumple / Successfully
38535	44128	60410	CANAL 6" x 13.0 A36/A572-50 12.20m 4.0T	6"	1	52.7	75105.9	34.9	44.6	63502.7	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, 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

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



EXCELENCIA EN CALIDAD

Acerta Ramos Arizpe
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CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST AND ANALYSIS

Hecho en México / Made in Mexico

No. Certificado / Certificate No.	175648 - 22704325
Fecha / Date:	11/06/2020

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: rcebailos@plesa.com.mx			
DATOS DEL EMBARQUE / SHIPPING INFORMATION		DATOS DEL EMBARQUE / SHIPPING INFORMATION	
	Núm. Viaje / Travel No: 175648		Núm. Factura / Invoice No: FQ105981
			Pedido / Customer Order No: 22704325
			Núm. Plan / Shipping Plan: 187635
			Fecha Embarque / Date: 11/06/2020

COMPOSICION QUIMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT)																		
Cola da / 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
39421	3451	60288	ANGULO L1 1/2" x 1 1/2" x 1/4" A-36 P 6.10m 2.0T	AVG 0.21	AVG 0.79	AVG 0.21	AVG 0.008	AVG 0.002	AVG 0.24	AVG 0.10	AVG 0.10	AVG 0.022	AVG 0.010	AVG 0.001	AVG 0.005	AVG 11	AVG 96	AVG 0.37

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES											
Cola da / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Capacidad / Bundle	RT / kgf/mm²	TS / PSI	% Elong / Elong	LF / kgf/mm²	YS / PSI	P. Doble z / Bend Test
39421	3451	60288	ANGULO L1 1/2" x 1 1/2" x 1/4" A-36 P 6.10m 2.0T	1 1/2" x 1 1/2" x 1/4"	2	AVG 42.6	AVG 60636.8	AVG 31.6	AVG 26.5	AVG 37789.1	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

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