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

EXCELENCIA EN CALIDAD

CERTIFICADO DE CALIDAD / CERTIFICATE OF TEST AND ANALYSIS

No. Certificado / Certificate No:	190079 - 22984055
Fecha / Date:	13/12/2020

Hecho en México / Made in Mexico

DATOS DEL CLIENTE / SOLD TO	CLIENTE CONSIGNADO / SHIP TO	DATOS DEL EMBARQUE / SHIPPING INFORMATION
Cliente / Customer: PLESA ANAHUAC Y CIAS SA DE CV	Cliente / Customer: MATRIZ TULTITLAN	Núm. Viaje / Travel No: 190079
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	Núm. Factura / Invoice No: FQ115743
Ciudad / City: TULTITLAN Estado / State: EDO. DE MEXICO	Ciudad / City: TULTITLAN Estado / State: EDO. DE MEXICO	Pedido / Customer Order No: 22984055
Teléfono / Phone: 10838570 País / Country: MEXICO C.P./ZIP 54940		Núm. Plan / Shipping Plan: 205554
Correo Electrónico / eMail: rceballos@plesa.com.mx		Fecha Embarque / Date: 13/12/2020
		Orden de Compra / Purchase Order: 30489

COMPOSICION QUIMICA / CHEMICAL COMPOSITION (% PESO / WEIGHT)

Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	% C AVG	% Mn AVG	% Si AVG	% P AVG	% S AVG	% Cu AVG	% Cr AVG	% Ni AVG	% Mo AVG	% Sn AVG	% Ti AVG	% V AVG	PPM Nb AVG	PPM N AVG	CE AVG
46585	51381	60232	SOLERA 3" x 1/4" A-36 6.10m 2.0T NMX B252/ASTM A6	0.20	0.94	0.20	0.010	0.004	0.22	0.11	0.07	0.021	0.010	0.008	0.010	85	100	0.38
46636	51457	22869	CANAL 5" x 6.7 A36/529-50 12.20m 4.0T	0.20	0.73	0.18	0.006	0.008	0.25	0.11	0.08	0.024	0.011	0.001	0.004	7	90	0.34
46587	51408	63093	VIGA S 4" x 7.7 A36/A572-50 12.20m 4.0T	0.20	0.94	0.20	0.010	0.005	0.25	0.12	0.09	0.025	0.012	0.010	0.013	97	90	0.37
46531	51386	63092	VIGA S 4" x 7.7 A36/A572-50 6.10m 2.0T	0.20	0.92	0.24	0.012	0.013	0.24	0.08	0.06	0.023	0.010	0.010	0.011	90	90	0.37
46591	51395	63092	VIGA S 4" x 7.7 A36/A572-50 6.10m 2.0T	0.20	0.94	0.21	0.011	0.004	0.25	0.05	0.07	0.020	0.012	0.009	0.011	93	89	0.37
46592	51388	63092	VIGA S 4" x 7.7 A36/A572-50 6.10m 2.0T	0.21	0.93	0.22	0.008	0.005	0.25	0.04	0.06	0.017	0.010	0.010	0.011	98	82	0.38

PROPIEDADES MECANICAS / MECHANICAL PROPERTIES

Colada / Heat	Secuencia / Sequence	Clave / Code	Producto / Description of Goods	Calibre / Diameter	Cantidad / Bundle	RT kg/mm² AVG	TS PSI AVG	% Elong / Elong AVG	LF kg/mm² AVG	YS PSI AVG	P. Doblez / Bend Test
46585	51381	60232	SOLERA 3" x 1/4" A-36 6.10m 2.0T NMX B252/ASTM A6	3" x 1/4"	5	51.8	73815.2	28.4	36.1	51465.6	Cumple / Successfully
46636	51457	22869	CANAL 5" x 6.7 A36/529-50 12.20m 4.0T	5"	1	54.9	78135.5	34.8	42.5	60545.8	Cumple / Successfully
46587	51408	63093	VIGA S 4" x 7.7 A36/A572-50 12.20m 4.0T	4"	1	55.2	78646.3	34.5	41.2	58747.1	Cumple / Successfully
46531	51386	63092	VIGA S 4" x 7.7 A36/A572-50 6.10m 2.0T	4"	1	52.1	74183.8	30.5	38.3	54631.8	Cumple / Successfully
46591	51395	63092	VIGA S 4" x 7.7 A36/A572-50 6.10m 2.0T	4"	1	52.1	74254.9	30.5	38.0	54095.3	Cumple / Successfully
46592	51388	63092	VIGA S 4" x 7.7 A36/A572-50 6.10m 2.0T	4"	1	52.9	75360.6	30.5	38.1	54323.0	Cumple / Successfully

OTROS DATOS ADICIONALES / ADDITIONAL INFORMATION	
Acero fundido y colado en: México / Steel melted and poured in Mexico	

DEACERO +VERDE

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.

DEACERO S.A.P.I. de C.V. 13 DIC 2020 PLESA ACERIA-LAMINACIÓN RAMOS

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