



**MAQUILACERO, S.A. DE C.V.**  
 AVE. ADOLFO LOPEZ MATEOS KM. 6.5  
 SAN NICOLAS DE LOS GARZA, N.L.



No. 107866

INVOICE No. 18757  
 DESTINATION MEXICO  
 SPECIFICATION WELDEN TUBING NON ALLOY STEELL  
 SUPPLIER \_\_\_\_\_

DATE 05-mar-13  
 CUSTOMER: Plesa Anahuac S.A. De C.V.

S/No.	HEAT No.	CHEMICAL COMPOSN												
		C	Mn	P	S	Si	Cu	Cr	Ni	Mo	Alt	V	Nb (Cb)	Ti
1	228418	0.200	0.900	0.014	0.013	0.006	0.028	0.018	0.024	0.005	0.040	0.002	0.001	0.001
2	129707	0.089	0.364	0.011	0.009	0.006	0.025	0.017	0.021	0.004	0.041	0.004	0.002	0.036
3	229250	0.198	0.858	0.016	0.012	0.013	0.041	0.023	0.022	0.011	0.039	0.002	0.002	0.002
4	129700	0.084	0.354	0.015	0.010	0.009	0.021	0.018	0.020	0.006	0.037	0.005	0.001	0.034
5	229019	0.118	0.549	0.018	0.010	0.009	0.019	0.023	0.015	0.008	0.038	0.001	0.002	0.001

S/No.	SIZE	QUANTITY	ASTM	DIMENSIONS	HEAT No.	TENSILE TEST			REMARKS	
		No. OF CFT				YIELD STRENGTH Lb/Plg2	TENSILE STRENGTH Lb/Plg2	ELONGATION (%)		
1	PTR 4 x 3 C-11 6.10 Mts	3.27	A-500 GRADE A	OK	228418	59.840	77.017	31	-	
2	PTR 4 x 4 C-09 6.10 Mts	8.66	A-500 GRADE A	OK	129707	39.901	47.770	40	-	
3	PTR 4 x 4 C-07 6.10 Mts	10.45	A-500 GRADE A	OK	229250	60.708	76.969	37	-	
4	POLIN 6 X 2 C-12 6.00 Mts	9.6	A-500 GRADE A	OK	129700	-	-	-	-	
5	POLIN 10 X 2.7 C-14 10.00 Mts	9.7	A-500 GRADE A	OK	209019	-	-	-	-	
		41.68								

WE CERTIFY THAT THE ABOVE DESCRIBED MATERIAL SATISFY THE TEST RESULTS

CHIEF INSPECTOR: Felipe Méndez Ortiz

THE CHEMICAL COMPOSITION AS WELL AS THE TENSILE TEST VALUES IS TRANSCRIPTIONS FROM THE MILL TEST CERTIFICATE OF THE STEEL SUPPLIER.