

MILL TEST CERTIFICATE

CERTIFICATE NO.	15779-8, 15779-8, 15779-4	
CUSTOMER:	COMINOX SA. DE CV	
COMMODITY:	Stainless steel seamless pipe	
SPECIFICATION:	ASTM A-312/ SA 312, NACE MR-0175	GRADE AISI 304/304L



ITEM No.	SIZE Diam x Thick. x L		HEAT NO.	QUANTITY PIECES	CHEMICAL COMPOSITION IN %									
					C	Mn	P	S	SI	Cr	Ni	Mo	Cu	N
1	1"	SCH 40S	10B0123	40	0,022	0,860	0,031	0,001	0,430	18,320	8,150	-	-	-
2	1-1/2"	SCH 40S	10B0123	30	0,022	0,860	0,031	0,001	0,430	18,320	8,150	-	-	-
3	2"	SCH 40S	10C0141	40	0,017	0,930	0,035	0,001	0,550	18,440	8,130	-	-	-
4	6"	SCH 10S	10B0118	4	0,018	1,040	0,035	0,001	0,045	18,420	8,030	-	-	-
5	1/2"	SCH 80S	10C0141	15	0,017	0,930	0,035	0,001	0,550	18,440	8,130	-	-	-
6	3/4"	SCH 80S	10C0141	12	0,017	0,930	0,035	0,001	0,550	18,440	8,130	-	-	-
7	1"	SCH 80S	10C0141	15	0,017	0,930	0,035	0,001	0,550	18,440	8,130	-	-	-
8	1-1/2"	SCH 80S	10C0141	30	0,017	0,930	0,035	0,001	0,550	18,440	8,130	-	-	-
9	2"	SCH 80S	10C0141	30	0,017	0,930	0,035	0,001	0,550	18,440	8,130	-	-	-

MECHANICAL PROPERTIES									
ITEM No.	YIELD STRENGTH PSI	TENSILE STRENGTH PSI	ELONGATION %	HARDNESS	EDDY TEST	FLATTENING TEST	BEND TEST	HIDROSTATIC TEST	SURFACE CONDITION
1	39150	86275	47	76	Good	Good	Good	Good	Good
2	41325	83375	51	76	Good	Good	Good	Good	Good
3	38425	87000	45	77	Good	Good	Good	Good	Good
4	41325	84825	47	74	Good	Good	Good	Good	Good
5	40800	88450	44	78	Good	Good	Good	Good	Good
6	42775	85550	50	77	Good	Good	Good	Good	Good
7	31435	78515	48	76	Good	Good	Good	Good	Good
8	31405	78515	45	75	Good	Good	Good	Good	Good
9	32570	75210	45	77	Good	Good	Good	Good	Good

REMARKS:

PLE SA ANAHUAC Y CIA. S.A. DE C.V.

CONTROL DE CALIDAD

01/Jan/2010

We hereby certify that material described herein has been manufactured and tested with satisfactory results in accordance with requirements of the above material specification

FECHA

EC149

FIRMA

E. RUIZ

QUALITY SYSTEM SECTION

QUALITY ASSURANCE RESPONSIBLE PERSONNEL

MATERIAL ACCEPTADO

ASEGURAMIENTO DE CALIDAD
COMINOX S.A. DE C.V.