

# MILL TEST CERTIFICATE



CERTIFICATE NO.	15779-5, 15779-7	
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		HEAT NO.	QUANTITY PIECES	CHEMICAL COMPOSITION IN %									
	Diam x Thick. x L				C	Mn	P	S	Si	Cr	Ni	Mo	Cu	N
1	2-1/2	SCH 40S	09C4192	3	0,024	0,950	0,034	0,002	0,400	18,310	8,120	-	-	-
2	3"	SCH 40S	09C4192	16	0,024	0,950	0,034	0,002	0,400	18,310	8,120	-	-	-
3	4"	SCH 40S	09C4192	6	0,024	0,950	0,034	0,002	0,400	18,310	8,120	-	-	-
4	3"	SCH 80S	09C4192	3	0,024	0,950	0,034	0,002	0,400	18,310	8,120	-	-	-
5	3"	SCH 80S	09C4192	3	0,024	0,950	0,034	0,002	0,400	18,310	8,120	-	-	-
6	6"	SCH 80S	10B0118	2	0,018	1,040	0,035	0,011	0,045	18,420	8,030	-	-	-

MECHANICAL PROPERTIES									
ITEM No.	YIELD STRENGTH PSI	TENSILE STRENGTH PSI	ELONGATION %	HARDNESS	EDDY TEST	FLATTENING TEST	BEND TEST	HIDROSTATIC TEST	SURFACE CONDITION
1	40600	87000	46	75	Good	Good	Good	Good	Good
2	41325	85550	47	76	Good	Good	Good	Good	Good
3	39150	85550	46	73	Good	Good	Good	Good	Good
4	42050	84825	46	76	Good	Good	Good	Good	Good
5	40600	88450	44	78	Good	Good	Good	Good	Good
6	41325	81925	48	77	Good	Good	Good	Good	Good

PLEASA ANAHUAC Y CIA. S.A. DE C.V.

REMARKS: CONTROL DE CALIDAD

FECHA: 31 May 2010

FIRMA: E. RUIZ

QUALITY SYSTEM SECTION

QUALITY ASSURANCE RESPONSIBLE PERSONNEL

**MATERIAL ACEPTADO  
ASEGURAMIENTO DE CALIDAD  
COMINOX S.A. DE C.V.**

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