

MILL TEST CERTIFICATE



CERTIFICATE NO.	1670
CUSTOMER:	COMINOX S.A. DEC.V.
COMMODITY:	Stainless steel seamless pipe
SPECIFICATION:	ASTM A-312/ SA 312, NACE MR-0175
GRADE	AISI 316/316L

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	3/4" SCH 80S	11D0692	10	0.029	1.190	0.034	0.002	0.470	16.190	10.080	2.040	-	-	
2	2 1/2" SCH 80S	11D0692	2	0.029	1.190	0.034	0.002	0.470	16.190	10.080	2.040	-	-	
3	6" SCH 80S	12-240	1	0.024	1.080	0.034	0.001	0.410	16.230	11.080	2.050	-	-	

ITEM No.	MECHANICAL PROPERTIES			
	YIELD STRENGTH PSI	TENSILE STRENGTH PSI	ELONGATION %	HARDNESS
1	43500	84100	53	78
2	42050	86275	47	77
3	47125	88450	45	69

ITEM No.	EDDY TEST	FLATTENING TEST	BEND TEST	HYDROSTATIC TEST	SURFACE CONDITION
2	Good	Good	Good	Good	Good
3	Good	Good	Good	Good	Good

REMARKS:

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

QUALITY SYSTEM SECTION

QUALITY ASSURANCE RESPONSIBLE PERSONNEL

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