

MATERIAL TEST REPORT

-----Sold To -----
SB NAVITAS
480, 435 - 4TH AVE SW
CALGARY AB
Calgary , CA

	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	AL	V	B	Cb	Ti	Ca	N	O	CEQ	DI	PrM
HEAT	0.25	1.38	0.012	0.004	0.20	0.06	0.04	0.38	0.02		0.029	0.004	0.0015		0.030				0.567		
CHECK	0.242	1.369	0.010	0.003	0.196	0.068	0.081	0.390	0.015	0.003	0.029	0.005	0.0008		0.042	0.0004			0.562		
CHECK	0.240	1.385	0.009	0.003	0.196	0.069	0.081	0.392	0.015	0.003	0.030	0.006	0.0007		0.043	0.0004			0.563		

<u>Test</u> 4L010377	<u>Type</u> Strip	<u>Size</u> 1"	<u>Orient</u> Long.	<u>Yield KSI</u> 121.11	<u>Tensile KSI</u> 133.47	<u>Elong in 2"</u> 24.95	<u>Y/T Ratio</u> 0.9074	Collapse, PSI 12200		Hydrotest, 11600 PSI							
								Flattening OK	Hold Time: 5 SEC								
				Impact Tests			Hardness										
<u>Test</u>	<u>Loc</u>	<u>Size</u>	<u>Temp</u>	<u>Notch</u>	<u>Energy (AVG)</u>	<u>%Shear</u>	<u>Scale</u>	<u>Lat Exp.</u>	<u>I.D.</u>	<u>M.W.</u>	<u>O.D.</u>	<u>Mean #</u>	<u>Scale</u>	<u>I.D.</u>	<u>M.W.</u>	<u>O.D.</u>	<u>Mean #</u>
	L	3/4	32		73	90		HRC				27.78					

From the office of:

Jeremy Goss

This is to certify that the product described with was manufactured, supplied, tested, and/or inspected in accordance with the specification and the order, and fulfills the requirements in such respect.