

MATERIAL TEST REPORT

Sales Order: SO0001414

Purchase Order: SBB-0062

-----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	1.41	0.012	0.005	0.20	0.07		0.38	0.01		0.033	0.005	0.0018		0.031						
CHECK	0.257	1.381	0.013	0.003	0.213	0.067	0.033	0.394	0.011	0.012	0.032	0.007	0.0011		0.044	0.0016			0.576		
CHECK	0.258	1.368	0.014	0.003	0.214	0.066	0.033	0.393	0.011	0.012	0.031	0.007	0.0012		0.043	0.0019			0.574		

<u>Test</u>	<u>Type</u>	<u>Size</u>	<u>Orient</u>	<u>Yield KSI</u>	<u>Tensile KSI</u>	<u>Elong in 2"</u>	<u>Y/T Ratio</u>	Collapse, PSI	12200	Hydrotest, PSI	11600
4L010365	Strip	1"	Long.	123.21	132.66	23.35	0.9288				
4L010380	Strip	1"	Long.	119.92	130.08	22.7	0.9219	Flattening	OK	Hold Time:	5 SEC

Test	Loc	Size	Temp	Notch	Energy (AVG)	%Shear	Scale	Lat Exp.	I.D.	M.W.	O.D.	Mean #	Scale	I.D.	M.W.	O.D.	Mean #
	L	3/4	32		80	90		HRC				28.43					
								HRC				28.36					

From the office of:

Release #	SO0001414
Processor:	BMG
W/O #:	4611-010
Rolled material supplied by:	BMG

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.