



10694 0002 **PELLUS MANUFACTURING**  
 7045 INDUSTRIAL DRIVE  
 BOX 208  
 COMBER (ON) N0P 1J0

ATTENTION : Chris Peltier

**MILL TEST CERTIFICATE**



P.O. BOX 322, L'ORIGINAL, ONTARIO, CANADA K0B 1K0  
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Lab Code 200143-0

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<b>P.O. Number</b> PEL3-035	<b>Order Number</b> 20020084	<b>Heat Number</b> A89131	<b>Customer Spec.</b> 1018	<b>Spec Rev. No.</b>	<b>Customer Part No.</b>	<b>Date Rolled</b> 07-Nov-2007	<b>Date Chemical Analysis Performed</b> 09-Oct-2007	<b>Billet Order</b> 254089	<b>Grade</b> 1018	<b>Diameter</b> 15.00 mm
<b>Heat Analysis</b>										
<b>Spec. Min*</b>	<b>C</b>	<b>Mn</b>	<b>P</b>	<b>S</b>	<b>Si</b>	<b>Cu</b>	<b>Ni</b>	<b>Cr</b>	<b>Mo</b>	<b>Sn</b>
	.15	.60								
<b>Actual</b>	.17	.68	.007	.017	.19	.22	.06	.070	.014	.020
<b>Spec. Max*</b>	.20	.90	.040	.050						

This is to certify that heat number A89131 is in conformance with the required specifications.

Heat analysis obtained by test methods ASTM E415 and ASTM E1019.  
 \*Minimum and maximum refer to the required customer specification.  
 This is to certify that the material is in conformance with the required specifications.  
 Radioactive emissions are at background levels.

APPROVED BY: W. Weber  
 Supervisor, Chemistry Laboratory and Billet Inspection

ISSUED BY QUALITY ASSURANCE: E. Elmer  
 Date: 7 Nov 2007  
 Specification Clerk