



10694 0001 **PELLUS MANUFACTURING**  
 7045 INDUSTRIAL DRIVE  
 BOX 208  
 COMBER (ON) N0P 1J0

ATTENTION : Bernie Dupuis

FAX : (519) 687-6337

**MILL TEST CERTIFICATE**

**IVACO ROLLING MILLS LP**

A HELCO COMPANY

P.O. BOX 322, L'ORIGINAL, ONTARIO, CANADA K0B 1K0  
 TEL.: (613) 675-4671 FAX: (613) 675-6866



**NVLAP**

Lab Code 200143-0

P.O. Number	Order Number	Heat Number	Customer Spec.	Spec Rev. No.	Customer Part No.	Billet Order	Grade	Diameter						
PEL3-035	20020677	A91708	1010IQ			262162	1010	11.00 mm						
<b>Heat Analysis</b>														
Spec. Min *	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	Sn	Al	N	B	V
	.08	.30												
Actual	.09	.45	.009	.020	.13	.14	.08	.100	.021	.017	.005	.0073	.0000	.000
Spec. Max*	.13	.60	.040	.050										

This is to certify that heat number A91708 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 :

Supervisor, Chemistry Laboratory and Billet Inspection

ISSUED BY QUALITY ASSURANCE :

Date: 24 Mar 2008

Specification Clerk

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