



Certificate No : MD00/0092/0008/1

**BSSAR STEEL ALGOMA INC.**  
105 West Street  
Sault Ste. Marie  
Ontario  
P6A 5P2  
Canada

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-


**Steelmaking, Semi-Finished Products and Plates**

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given in the Appendix of this certificate.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

**Valid Until : 05 May 2017**  
**Date of Issue : 02 June 2014**

  
**Gavin Young**  
Metallurgical Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register group



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Appendix 1

**BSSAR STEEL ALGOMA INC.**

105 West Street

Sault Ste. Marie

Ontario

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Canada

Steelmaking	B.O.S. / Con Cast	Grades	
		As below	
<b>Semi-Finished Products</b>	<b>Slabs</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
-	-	carbon, carbon-manganese	205.0
<b>Plates</b>	<b>Normal Strength</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As Rolled	Killed	A, B	60.0
Normalized	Fine Grain Al	A, B, D, E	50.0
<b>Plates</b>	<b>Higher Strength</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As Rolled	Fine Grain Al	AH32, AH36	12.5
Normalized	Fine Grain Al+Nb+V+Ti	AH32, AH36, DH32, DH36, EH32, EH36	65.0
Normalized	Fine Grain Al	AH32, AH36, DH32, DH36, EH32, EH36	50.0
Normalizing Rolled	Fine Grain Al+Nb+V	AH32, AH36, DH32, DH36	27.0
<b>Plates</b>	<b>Boiler &amp; Pressure Vessel</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
Normalized	Fine Grain Al+Nb+V+Ti	360FG, 410FG, 460FG, 490FG, 510FG	65.0
Normalizing Rolled	Fine Grain Al+Nb+V	360FG, 410FG, 460FG, 490FG, 510FG	27.0

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