



Certificate No : MD00/2757/0007/1

**ANGANG STEEL COMPANY LIMITED  
MEDIUM PLATE MILL OF MEDIUM AND HEAVY PLATE PLANT  
Angang Area  
Anshan City  
Liaoning Province  
China, People's Republic of**

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 : 23 October 2014  
Date of Issue : 27 June 2012**

**R Marsh**

Metallurgical Specialist to Lloyd's Register EMEA  
A member of the Lloyd's Register Group

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Appendix 1

**ANGANG STEEL COMPANY LIMITED**  
**MEDIUM PLATE MILL OF MEDIUM AND HEAVY PLATE PLANT**  
**Angang Area**  
**Anshan City**  
**Liaoning Province**  
**China, People's Republic of**

<b>Steelmaking</b>	<b>B.O.S. / Con Cast</b>	<b>Grades</b>	
		As below	
<b>Semi-Finished Products</b>	<b>Slabs</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
		Normal strength, Higher Strength	300.0
<b>Plates</b>	<b>Normal Strength</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As Rolled	Fine Grain Al	A, B	40.0
As Rolled	Killed	A, B	20.0
Normalizing Rolled	Fine Grain Al	A, B, D	40.0
<b>Plates</b>	<b>Higher Strength</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
Normalizing Rolled	Fine Grain Al+Nb+V	AH27S, AH32, AH36, DH27S, DH32, DH36	40.0
<b>Plates</b>	<b>Boiler &amp; Pressure Vessel</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As Rolled	Killed	360AR, 410AR	20.0
Normalizing Rolled	Fine Grain Al+Nb+V	360FG, 410FG, 460FG, 490FG, 510FG	40.0
Normalizing Rolled	Fine Grain Al	360FG, 410FG	40.0

**Slabs as semi finished products nominal 2000mm width x nominal 7000mm length to the above maximum thickness are approved for further processing for rolled products.**

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