



Certificate No : MD00/1869/0009/1

**ANGANG STEEL COMPANY LIMITED
HEAVY PLATE MILL OF MEDIUM AND HEAVY PLATE PLANT
Honqi Road, Lishan District,
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 :-

Steel 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 March 2015
Date of Issue : 25 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
HEAVY PLATE MILL OF MEDIUM AND HEAVY PLATE PLANT
Honqi Road, Lishan District,
Anshan City,
Liaoning Province
China, People's Republic of

Plates	Normal Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al	A, B	40.0
As Rolled	Killed	A	40.0
Normalized	Fine Grain Al	A, B, D, E	50.0
Normalizing Rolled	Fine Grain Al	A, B, D	40.0
TM+Acc	Fine Grain Al	A, B, D, E	100.0
Plates	Higher Strength	Grades	mm thickness Maximum
Normalized	Fine Grain Al+Nb+V	AH27S, AH32, AH36, DH27S, DH32, DH36, EH27S, EH32, EH36	50.0
Normalized	Fine Grain Al	AH27S, AH32	40.0
Normalizing Rolled	Fine Grain Al+Nb+V	AH27S, AH32, AH36, DH27S, DH32, DH36	40.0
Normalizing Rolled	Fine Grain Al	AH27S, AH32	25.0
TM+Acc	Fine Grain Al+Nb+V+Ti	AH27S, AH32, AH36, DH27S, DH32, DH36, DH40, EH27S, EH32, EH36, EH40, FH27S, FH32, FH36, FH40	100.0
TM+Acc	Fine Grain Al+Nb+Ti	AH42, AH46, AH50, AH55, DH42, DH46, DH50, DH55, EH42, EH46, EH50, EH55, FH42, FH46, FH50, FH55	80.0
TM+Acc	Fine Grain Al+Nb+Ti	AH27S, AH32, DH27S, DH32, EH27S, EH32, FH27S, FH32	100.0
Plates	Boiler & Pressure Vessel	Grades	mm thickness Maximum
As Rolled	Killed	360AR, 410AR	40.0
Normalized	Fine Grain Al+Nb+V	360FG, 410FG, 460FG, 490FG, 510FG	50.0
Normalized	Fine Grain Al	460FG, 490FG	40.0
Normalized	Fine Grain Al	360FG, 410FG	50.0
Normalizing Rolled	Fine Grain Al+Nb+V	360FG, 410FG, 460FG, 490FG, 510FG	40.0
Normalizing Rolled	Fine Grain Al	460FG, 490FG	25.0
Normalizing Rolled	Fine Grain Al	360FG, 410FG	40.0

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Appendix 2

ANGANG STEEL COMPANY LIMITED
HEAVY PLATE MILL OF MEDIUM AND HEAVY PLATE PLANT
Honqi Road, Lishan District,
Anshan City,
Liaoning Province
China, People's Republic of

Plates	Ferritic Low Temperature	Grades	mm thickness Maximum
Quenched and Tempered	Fine Grain Al	1.5Ni, 3.5Ni, 5Ni, 9Ni	40.0

All grades and thicknesses accepted with specified through thickness properties, Z25 and Z35 designations.

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