



Certificate No : MD00/0713/0012/1

ISD HUTA CZESTOCHOWA Sp. z o.o.
ul. Kucelinska 22
42-207 Czestochowa
Poland

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

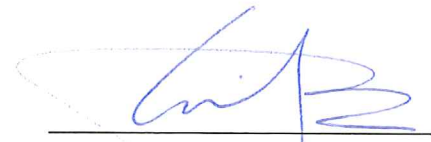
Steelmaking, Semi-Finished Products and Plates

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 April 2018
Date of Issue : 22 June 2015



Lili Hou
Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group



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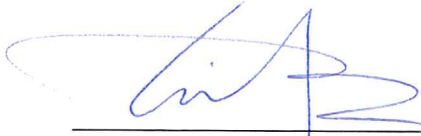
Appendix 1

ISD HUTA CZESTOCHOWA Sp. z o.o.
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Steelmaking	E.A.F. / Con Cast	Grades	
		As below	
Semi-Finished Products	Slabs	Grades	mm thickness Maximum
As cast	-	carbon, carbon-manganese	250.0
Semi-Finished Products	Blooms	Grades	mm thickness Maximum
As cast	-	carbon, carbon-manganese	280.0
Plates	Normal Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al	D	12.0
As Rolled	Fine Grain Al	A, B	50.0
Normalized	Fine Grain Al	E	50.0
Normalized	Fine Grain Al	A, B, D	75.0
Plates	Higher Strength	Grades	mm thickness Maximum
Normalized	Fine Grain Al+Nb	AH27S, AH32, AH36, DH27S, DH32, DH36, EH27S, EH32, EH36	50.0
Normalized	Fine Grain Al	AH27S, AH32, DH27S, DH32, EH27S, EH32	50.0
Plates	Boiler & Pressure Vessel	Grades	mm thickness Maximum
As Rolled	Fine Grain Al	360AR, 410AR, 460AR	50.0
Normalized	Fine Grain Al+Nb	360FG, 410FG, 460FG, 490FG, 510FG	50.0
Normalized	Fine Grain Al	460FG, 490FG	50.0
Normalized	Fine Grain Al	360FG, 410FG	75.0

Above plate grades may also be supplied with Z25/Z35 through thickness property requirements.

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