



Certificate No : MD00/3631/0004/1

ARCELORMITTAL HOCHFELD GmbH
Vohwinkelstraße 107
D-47137 Duisburg
Germany

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


Steelmaking and Semi-Finished Products

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 July 2020
Date of Issue : 17 October 2017


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



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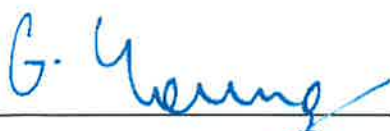
Appendix 1

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 Germany

Steelmaking	B.O.S. / Con Cast	Grades	
		As below	
Semi-Finished Products	Blooms	Grades	mm thickness Maximum
As Rolled	Fine Grain Al+Ti	alloy	385.0
As Rolled	Fine Grain V+Ti	carbon	385.0
As Rolled	Fine Grain Al	carbon-manganese	385.0
Semi-Finished Products	Billets	Grades	mm thickness Maximum
As Rolled	Fine Grain Al+Ti	alloy	130.0
As Rolled	Fine Grain V+Ti	carbon	130.0
As Rolled	Fine Grain Al	carbon-manganese	130.0

Approved for steel making by TBM (Thyssen Blow Metallurgy) route.

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