



Certificate No : MD00/0051/0011/1

SIDENOR ACEROS ESPECIALES S.L.
PLANTA DE BASAURI
Bo. Ugarte, S/N
P.O. Box 76
48970 Basauri (Vizcaya)
Spain

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

Steelmaking, Semi-Finished Products and Bars

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 : 21 January 2018
Date of Issue : 16 September 2016

A blue ink signature, appearing to be "Lili Hou", written over a horizontal line.

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



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Appendix 1

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Steelmaking	E.A.F. / Con Cast	Grades	
		As below	
Semi-Finished Products	Blooms	Grades	mm thickness Maximum
-	-	As below	350.0
Bars	Machinery	Grades	mm thickness Maximum
Normalized	Fine Grain Al	carbon-manganese	100.0
Normalized	Killed	carbon	100.0
Quenched and Tempered	Killed	alloy	100.0
Bars	Chain Cable Stock	Grades	mm thickness Maximum
As Rolled	Fine Grain Al+V	U3	100.0
As Rolled	Fine Grain Al+V+Ti	R3, R3S, R4, R5	78.0
As Rolled	Fine Grain Al	U2	100.0
As Rolled	-	API-2F	78.0

Concast blooms approved to 350 x 470mm section size.

The approval for bars for chain cable stock grades; R3; R3S; R4; R4S; R5 are restricted to supply to Vicinay Cadenas SA to the applicable purchasing specification; MPR3; MPR3S; MPR4; MPR4S; MPR5.

The latest issue of the Vicinay purchasing specifications are accepted subject to these maintaining the required material conditions under which approval was granted.

Valid Until : 21 January 2018
Date of Issue : 16 September 2016

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