



Certificate No : MD00/0019/0014/1

Appendix 1

A.B.S. Acciaierie Bertoli Safau S.p.A.  
Via Buttrio, 28  
33050 Pozzuolo del Friuli (UD)  
Italy

Steelmaking	E.A.F./Ingot/Con Cast	Grades	tonnes Maximum
		As below	
<b>Semi-Finished Products</b>	<b>Ingots (tonnes)</b>	<b>Grades</b>	
-	-	carbon, carbon-manganese, alloy	41.0
<b>Semi-Finished Products</b>	<b>Rolled Bars</b>	<b>Grades</b>	<b>mm diameter Maximum</b>
-	-	Carbon	370.0
-	-	Carbon manganese, Alloy	370.0
<b>Semi-Finished Products</b>	<b>As Cast Round Section</b>	<b>Grades</b>	<b>mm diameter Maximum</b>
-	-	Carbon, Carbon-manganese, Alloy	700.0
<b>Semi-Finished Products</b>	<b>Rolled Square Bars</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
-	-	Carbon, Carbon-manganese, Alloy	420.0
<b>Bars</b>	<b>Structural</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As Rolled	Fine Grain Al	carbon, carbon-manganese, alloy	240.0
Normalized	Fine Grain Al	carbon, carbon-manganese	270.0
<b>Bars</b>	<b>Machinery</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As Rolled	Fine Grain Al	carbon, carbon-manganese, alloy	240.0
Normalized	Fine Grain Al	carbon, carbon-manganese	270.0
<b>Bars</b>	<b>Chain Cable Stock</b>	<b>Grades</b>	<b>mm thickness Maximum</b>
As Rolled	Fine Grain Al+V	R4	185.0
As Rolled	Fine Grain Nb	U1, U2, U3	78.0

Valid Until : 13 June 2020  
Date of Issue : 08 April 2019

**Gavin Young**  
Metallurgical Specialist to Lloyd's Register EMEA  
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Appendix 2

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The approval for mooring chain cable stock grade R4 bars is restricted to the supply of 185mm maximum diameter bars to Vicinay Sestao S.L. and to 166mm maximum diameter bars to Vicinay Cadenas S.A., Deusto Factory, to the applicable Vicinay purchasing specification MPR4. The approval covers the ingot cast manufacturing route only.

Approval for normalised structural and machinery bars up to 270mm diameter is for both concast and ingot routes.

**Valid Until : 13 June 2020**  
**Date of Issue : 08 April 2019**

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**A.B.S. Acciaierie Bertoli Safau S.p.A.**  
**Via Buttrio, 28**  
**33050 Pozzuolo del Friuli (UD)**  
**Italy**

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 : 13 June 2020**  
**Date of Issue : 08 April 2019**

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