

Confirmation

We herewith confirm, that in accordance with the requirement of Lloyd's Register EMEA

**Georgsmarienhütte GmbH
Neue Hüttenstraße 1
49124 Georgsmarienhütte**

has been approved as a manufacturer, for „Steelmaking, Semi-Finished Products and Bars“ according to List 1:

Certificate No. MD00/0596/0008/1

We confirm, that the above named Certificate is still valid and that the re-approval is currently undergoing. We see no objections to re-issue the named Certificate after clarification of the outstanding items. Please note that this statement does not constitute LR Approval of Works nor signifies entry into the List of LR Approved Manufacturers.

Valid as from: 02.10.2019



Christian Olbrich

Surveyor

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Lloyd's Register EMEA

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Certificate No : MD00/0596/0008/1

GEORGMARIENHÜTTE GmbH
Neue Hüttenstraße 1
D-49124 Georgsmarienhütte
Germany

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 : 01 October 2019
Date of Issue : 11 May 2017

A handwritten signature in blue ink, appearing to read "Waylen", is written over a horizontal line.

Colin Waylen
Principal Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group



Certificate No : MD00/0596/0008/1

Appendix 1

GEORGMARIENHÜTTE GmbH
 Neue Hüttenstraße 1
 D-49124 Georgsmarienhütte
 Germany

Steelmaking	E.A.F./Ingot/Con Cast	Grades	
		As below	
Semi-Finished Products	Ingots (tonnes)	Grades	tonnes Maximum
-	-	carbon, carbon-manganese, alloy	44.0
Semi-Finished Products	Blooms	Grades	mm thickness Maximum
-	-	carbon, carbon-manganese, alloy	240.0
Bars	Normal Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al	A, B	100.0
As Rolled	Fine Grain Al	D, E	180.0
As Rolled	Killed	A, B	180.0
Bars	Higher Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al	AH32, AH36, DH32, DH36, EH32	180.0
Bars	Structural	Grades	mm thickness Maximum
Normalized	Fine Grain Al	carbon, carbon-manganese	280.0
Quenched and Tempered	Fine Grain Al	alloy	270.0
Bars	Chain Cable Stock	Grades	mm thickness Maximum
As Rolled	Fine Grain Al	U2, U3, R3	155.0
As Rolled	Killed	U1	155.0

Including bars in accordance with API-2F for approved applications up to 185 mm diameter.

Valid Until : 01 October 2019
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Colin Waylen
 Principal Specialist to Lloyd's Register EMEA
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