



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000026G
Revision No:
1

This is to certify:

That

Breitenfeld Edelstahl AG
Breitenfeldstr. 22, 8662 Mitterdorf,
Austria

is an approved manufacturer of
Steelmaking

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Steelmaking
Product	Ingots and billets for forging stock
Steel types	Carbon and carbon-manganese, Alloy, Austenitic stainless, Ferritic stainless, Martensitic stainless, 22Cr and 25Cr duplex stainless, Precipitation hardened
Steelmaking	Electric Arc Furnace, Electroslag Remelting, Vacuum Arc Remelting, Ingot Casting
Deoxidation	Killed
Heat treatment condition	See page 2
Additional approval conditions	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules. Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2021-07-01**

for **DNV**

This Certificate is valid until **2024-06-30**.

DNV local station: **Augsburg**

Approval Engineer: **Stefan Röhr**

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Thorsten Lohmann
Head of Section

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



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Particulars of the approval

Semi-finished products: billets and ingots

Steel type	Steel making ¹⁾	Heat treatment conditions ²⁾
C and C-Mn	EAF, ESR, VAR, IC	AC, AF
Alloy	EAF, ESR, VAR, IC	AC, AF
Austenitic stainless	EAF, ESR, VAR, IC	AC, AF
Ferritic stainless	EAF, ESR, VAR, IC	AC, AF
Martensitic stainless	EAF, ESR, VAR, IC	AC, AF
22Cr and 25Cr duplex stainless	EAF, ESR, VAR, IC	AC, AF
Precipitation hardened	EAF, ESR, VAR, IC	AC, AF

Remarks:

- ¹⁾ EAF: Electric Arc Furnace; ESR: Electroslag Remelting; VAR: Vacuum Arc Remelting; IC: Ingot Casting
- ²⁾ AC: As cast; AF: As forged

Additional approval conditions

Including clean steel ingots of grade 18CrNiMo 7-6