

# APPROVAL OF MANUFACTURER CERTIFICATE

**This is to certify:**

**That**  
**Nucor Steel Tuscaloosa, Inc.**  
**Tuscaloosa, United States**

is an approved manufacturer of  
**Steelmaking and Rolled Steel Products**

in accordance with  
**DNV GL rules for classification – Ships**

and the following particulars:

<b>Product</b>	<b>Hot rolled steel plates</b>
<b>Grade(s)</b>	<b>Rolled steel for structural application</b>
<b>Steelmaking</b>	<b>Electric Arc Furnace (EAF), Ladle Furnace (LF), Continuous casting</b>
<b>Deoxidation</b>	<b>Killed</b>
<b>Fine grain elements</b>	<b>See particulars of the approval</b>
<b>Delivery conditions</b>	<b>See particulars of the approval</b>
<b>Max. thickness/diam.</b>	<b>Max. thickness 20 mm</b>
<b>Remarks</b>	<b>See particulars of the approval</b>

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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2016-11-14**

for **DNV GL**

This Certificate is valid until **2019-12-31**.  
DNV GL local station: **New York**

Approval Engineer: **Christian Wildhagen**

**Thorsten Lohmann**  
**Head of Section**

Job Id: **263.11-006699-1**  
Certificate No: **AMMM0000116**

## Particulars of the approval

### Rolled steel products:

Grade	Product	Supply Condition	Casting Method	Thickness [mm], max.	Micro-alloy
<b>Normal strength steel</b>					
VL A	BL	AR	CC	20	Al
<b>High strength steel</b>					
VL A32, VL A36, VL D32, VL D36,	BL	AR	CC	20	Al+Nb
<b>Non-alloy structural steel acc. to EN 10025-2</b>					
S235JR, S235J0, S235J2, S275JR, S275J0, S275J2, S355JR, S355J0, S355J2, S355K2	BL	Acc. to standard	CC	20	Acc. to standard

BL: plates

AR: as rolled

CC: continuous casting