



Certificate No : MQ00/3323/0005/1

NUCOR STEEL TUSCALOOSA INC.
1700 Holt Road N.E.
Tuscaloosa
AL 35404-1000
United States of America

MATERIALS QUALITY SCHEME APPROVED
MQS 048

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

Steelmaking, Hot Rolled Coil and Plates from coils

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 : 04 August 2018
Date of Issue : 13 August 2015

A handwritten signature in blue ink, appearing to read "Clive D S Tuck", is written over a horizontal line.

Clive D S Tuck

Lead Metallurgical Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register group



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Appendix 1
NUCOR STEEL TUSCALOOSA INC.
1700 Holt Road N.E.
Tuscaloosa
AL 35404-1000
United States of America

Steelmaking	E.A.F. / Con Cast	Grades	
Hot Rolled Coil	Normal Strength	As below	mm thickness Maximum
Hot Coiled	Fine Grain Al	A	20.0
Hot Rolled Coil	Boiler & Pressure Vessel	Grades	mm thickness Maximum
Hot Coiled	Fine Grain Al	360FG, 410FG	20.0
Plates from coils	Normal Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al	A	20.0
Plates from coils	Higher Strength	Grades	mm thickness Maximum
As Rolled	Fine Grain Al+Nb	AH27S, DH27S, AH32, DH32, AH36, DH36	13.0

Materials Quality Scheme approved - MQS048

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Clive D S Tuck
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TO	LR New Orleans	DATE 13 August 2015
FROM	Materials and NDE	YOUR REF HOU1500343 OUR REF MAT/M3323/CT22839933
SUBJECT	Notice of approval NUCOR STEEL TUSCALOOSA INC. 1700 Holt Road N.E. Tuscaloosa AL 35404-1000 United States of America	APPROVAL VALID UNTIL 04 August 2018

1. Reference is made to your email dated 31st July 2015
2. In view of the satisfactory nature of the Materials Quality Scheme audit of Nucor, the company is authorised to operate under this scheme.
3. Please find enclosed a Materials Quality Scheme Certificate for onward transmission to the firm. Also enclosed is a renewed Lloyd's Register Works Approval Certificate and a copy of the firm's scope of approval. Should you require a copy of the Certificates for your own files, photocopies of the originals may be taken. A summary of the company details will appear in the next CDlive publication and you should therefore ensure that it is accurate
4. Clients should be presented with the prestige approval certificate together with a letter welcoming them to the List of Approved Manufacturers and a copy of Chapter 1 of the Rules for Materials. The suggested text of the letter and a copy of the relevant Rules may be downloaded from the following links on the HUB (Intranet/Marine/Operational support/Surveyor Support/Approval Lists and Forms/Approval Forms/ Chose 'New Approval Letter to Manufacturers'. The text may be edited and translated to reflect local customs and languages, however the letter must include the sections relating to the conditions of approval.
5. It should be noted that if at some future date the firm wish to increase the size or alter the grade or the supply condition outside the scope of approval, procedure tests, in accordance with the appropriate Materials and Qualification Procedure will be required to be carried out.
6. The invoice to the Client should be based on the estimated number of hours (PLUS any additional hours, as agreed) together with your local office charges including your target margin. The fee will be charged according to the current M2 rate.
7. The Lists are now on the Internet. Please direct the client to www.cdlive.lr.org to look under Approved Lists. This approval information should be available within the next 30 days.

Clive Tuck

Lead Metallurgical Specialist
Global Technology Centre
Lloyd's Register EMEA

TO	LR New Orleans	DATE 13 August 2015
FROM	Materials and NDE	YOUR REF OUR REF MAT/M3323/CTE/
SUBJECT	Scope of Approval NUCOR STEEL TUSCALOOSA INC. 1700 Holt Road N.E. Tuscaloosa AL 35404-1000 United States of America	

MAKE OF APPROVED TESTING MACHINE	TYPE	MACHINE NUMBER	CAPACITY	UNIT
SATEC	Tensile	55R300HVLC1044	1334	kN
SATEC	Impact	1592	300	ftlbs
TINUS OLSEN	Impact	209391	400	ftlbs

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