

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

ArcelorMittal Tubular Products Roman S.A.
Str. Stefan Cel Mare Nr. 246 bloc 15A
611038 Roman, Romania

is an approved manufacturer of
Steel Pipes and Fittings

in accordance with
DNV GL rules for classification – Ships
DNV GL offshore standards

and the following particulars:

Product	Pipes
Application area	Pipes for pressure systems
Steel type(s)	Carbon and carbon-manganese
Manufacturing method	Seamless
Max. outer diameter	508 mm, see page 2
Max. wall thickness	50 mm, see page 2
Heat treatment conditon	See page 2
Remarks	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 GL classed object shall fulfill the material requirements in the applicable DNV GL class rules.

Issued at **Hamburg** on **2017-12-19**

for **DNV GL**

This Certificate is valid until **2020-12-31**.

DNV GL local station: **Galatz**

Approval Engineer: **Christian Wildhagen**

Thorsten Lohmann
Head of Section



Job Id: **263.11-004215-2**
Certificate No: **AMMM00001VR**

Particulars of the approval

Pipes for pressure systems³⁾

Steel type	Manufacturing method ¹⁾	Max. outer diameter [mm]	Max. wall thickness [mm]	Delivery condition ²⁾
C and C-Mn	HFS	508	50	N+QT

Remarks:

- ¹⁾ HFS: hot finished seamless
- ²⁾ N+QT: Normalized followed by quenched and tempered

Special conditions:

Including automatic non-destructive testing in place of hydraulic testing according to relevant piping standard