

APPROVAL OF MANUFACTURER CERTIFICATE

This is to certify:

That

CSP - COMPANHIA SIDERURGICA DO PECÉM
São Gonçalo do Amarante, Brazil

is an approved manufacturer of
Steelmaking

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Product	Continuous Cast Slabs
Grade(s)	Carbon, Carbon-Manganese
Steelmaking	Basic Oxygen Converter (BOC), Continuous Casting
Deoxidation	Killed
Fine grain elements	Al, Al+NB+TI
Delivery conditions	As cast
Max. thickness	300 mm (slabs)

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 **2016-11-21**

for **DNV GL**

This Certificate is valid until **2019-11-30**.
DNV GL local station: **Rio de Janeiro, CMC**

Approval Engineer: **Stefan Röhr**

Thorsten Lohmann
Head of Section