



Certificate No : MD00/0342/0007/1

ARCELOR MITTAL TUBARÃO
Av. Brigadeiro Eduardo Gomes
930 - Jardim Limoeiro
29164-970 Serra/ES
Brazil

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

Steelmaking and Strip

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 : 01 July 2011
Date of Issue : 18 December 2008

Lili Hou

Senior Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

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Appendix 1

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| Steelmaking | B.O.S. / Con Cast | Grades | |
|--------------------|-------------------------------------|--------------------------|-----------------------------|
| | | carbon, carbon-manganese | |
| Strip | Normal Strength | Grades | mm thickness Maximum |
| Hot Coiled | Fine Grain Al | D | 16.0 |
| Hot Coiled | Fine Grain Al | A, B | 19.0 |
| Strip | Higher Strength | Grades | mm thickness Maximum |
| Hot Coiled | Fine Grain Al | AH27S, AH32 | 16.0 |
| Strip | Boiler & Pressure Vessel | Grades | mm thickness Maximum |
| Hot Coiled | Fine Grain Al | 460FG, 490FG | 16.0 |
| Hot Coiled | Fine Grain Al | 360FG, 410FG | 19.0 |

Carbon and carbon-manganese grades cover the following LR normal and higher tensile strength grades. A, B, D, E, AH27S, AH32, AH36, DH27S, DH32, DH36, EH27S, EH32, EH36

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