Certificate No: LR23134970MQ
Issue Date: 28/06/2023
Expiry Date: 27/06/2026

Materials Quality Scheme

Manufacturer ArcelorMittal Brasil S.A.

Address Av. Brigadeiro Eduardo Gomes, 526, Bairro Polo Industrial Tubarao, Serra, ES, 29160-904, Brazil

Type

Plates

Hot Rolled Coil

Semi-Finished Products

Steel Making

Scope of Approval

Materials Quality Scheme No. 054

Steelmaking, Semi-Finished Product, Hot Rolled Coil and Plates from Coils.

Steelmaking: B.O.S. / Con Cast

Semi-Finished Products: Slabs, details as per Appendix.

Hot Rolled Coil: Normal Strength, Higher Strength, and Boiler and Pressure Vessel, details as per Appendix.

Plates from Coils: Normal Strength, Higher Strength, and Boiler and Pressure Vessel, details as per Appendix.

Company also approved under Materials Survey Scheme, separate approval certificate applies.

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 on subsequent pages of this certificate.

APPROVED

Clive Arnold

Lead Metallurgist: Metallurgical Assurance to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.

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Materials Quality Scheme

Steel making	B.O.S. / Con Cast	Grades		
-	-	carbon, carbon manganese		
Semi-Finished Products	**Slabs**	**Grades**	**Maximum Thickness**	**Units**
Normal Strength	-	carbon, carbon manganese	250.00	mm
Higher Strength	-	carbon, carbon manganese	250.00	mm
Hot Rolled Coil	**Normal Strength**	**Grades**	**Maximum Thickness**	**Units**
Hot Coiled	Fine Grain Al	B , A	19.00	mm
Hot Coiled	Fine Grain Al	D	16.00	mm
Hot Rolled Coil	**Higher Strength**	**Grades**	**Maximum Thickness**	**Units**
Hot Coiled	Fine Grain Al	AH32 , AH27S	16.00	mm
Hot Coiled	Fine Grain Al+Nb	AH32 , AH27S	19.00	mm
Hot Coiled	Fine Grain Al+Nb	AH36	16.00	mm
Hot Rolled Coil	**Boiler and Pressure Vessel**	**Grades**	**Maximum Thickness**	**Units**
Hot Coiled	Fine Grain Al	410FG , 360FG	19.00	mm
Hot Coiled	Fine Grain Al	490FG , 460FG	16.00	mm
Hot Coiled	Fine Grain Al+Nb	490FG, 460FG, 410FG, 360FG	19.00	mm
Hot Coiled	Fine Grain Al+Nb	510FG	16.00	mm
Plate from coil	**Normal Strength**	**Grades**	**Maximum Thickness**	**Units**
As Rolled	Fine Grain Al	B , A	19.00	mm
As Rolled	Fine Grain Al	D	16.00	mm
Plate from coil	**Higher Strength**	**Grades**	**Maximum Thickness**	**Units**
As Rolled	Fine Grain Al	AH32 , AH27S	16.00	mm

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Materials Quality Scheme

As Rolled	Fine Grain Al+Nb	AH32 , AH27S	19.00	mm
As Rolled	Fine Grain Al+Nb	AH36	16.00	mm

Plate from coil	**Boiler and Pressure Vessel**	**Grades**	**Maximum Thickness**	**Units**
As Rolled	Fine Grain Al	410FG , 360FG	19.00	mm
As Rolled	Fine Grain Al	490FG , 460FG	16.00	mm

Additional Remarks

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

Approval for slabs covers up to 250 x 2100 mm section size.

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