



# MANUFACTURER'S INSPECTION DOCUMENT

A02 Type of certificate according to ISO 10474/ EN 10204

A03 Document number

Page

**Inspection certificate 3.1****MTC\_0081781440\_2309\_S355MC\_EN10149220\_V1****1 / 2**

A01.1 Manufacturer's site address <b>ArcelorMittal Mardycq Grande-Synthe Rue de Spycker - Port 3801 59792 Grande-Synthe France</b>	A01.2 Manufacturer <b>ArcelorMittal France</b> A01.3 @ eMail <a href="mailto:Sara.mateos@arcelormittal.com">Sara.mateos@arcelormittal.com</a>	A04 Mfr's mark <b>MK</b>	A06.3 Final consignee's address <b>FEON OY Teollisuuskatu 33 00510 Helsinki FI</b>
A06.1 Customer's address <b>FEON OY Teollisuuskatu 33 00510 Helsinki FI</b>	A06.2 Delivery address <b>Feon OY Hepokarintie 9 23500 UUSIKAUPUNKI FI</b>		

A07 Purchaser's order number <b>45528 000001</b>	A08 Manufacturer's order number <b>GH31FEO006 1</b>	A10.1 Dispatch advice/note number <b>0081781440</b>	A10.2 Dispatch date <b>07.09.2023</b>	B04 Delivery condition <b>Thermomechanical Rolling</b>
A11 Manufacturer specification reference <b>000002890824 1</b>	A12 Customer article number <b>2463400</b>	A14 Qty MU <b>3</b>	A15 Total net mass <b>37,860 Tons</b>	A16 Total gross mass <b>37,923 Tons</b>

B01 Product (Category/ Subcategory/ Form) <b>Hot Rolled Hot rolled pickled coil</b>		B02.1 Steel designation <b>S355MC</b>	B02.2 Steel standard <b>EN10149-2/2013</b>	
B09 Thickness <b>12mm</b>	B9.1 Thickness standard and tolerance <b>1/2 all in minus EN 10051:2010</b>	B10 Width <b>1500mm</b>	B10.1 Width standard and tolerance <b>mill edge EN 10051:2010</b>	
B11 Length	B11.1 Length standard and tolerance	B2.12 Pattern top	B2.13 Pattern bottom	

## IDENTIFICATION AND MASS

	Units									
B07 MU ID		29782840	29782841	29812741						
B08 Number of piece		1	1	1						
B13 Gross mass	Tons	13,701	13,001	11,221						
B14 Net mass	Tons	13,680	12,980	11,200						
B15 Segment N°		1	1	1						
B07 Heat N°		8643023563	8643023563	8643023865						

## TENSILE TEST

	Units	Min.	Max.	Specimen type: ISO 6892-1 - Direction: Longitudinal - Condition: As delivered - Re: ReH - T°C: 20°C					
C00 Sample ID				557176	557176	558638			
C01.1 Pos. length				Half Length	Half Length	Half Length			
C01.2 Pos. width				1/4 width	1/4 width	1/4 width			
C11 Re	MPa	355		400	400	392			
C12 Rm	MPa	430	550	480	480	475			
C13 A%	%	23		31	31	32			

We hereby certify that the above cited shipment was produced according to the technical specifications of the contract and that, with inspection and tests completed, it meets those specifications as well as all norms and standards referred to in the contract.

A05 Autor of the document - Manufacturer

**Quality department**

Z15 Responsible

**Mateos Riano Sara**

Z17 Signature

Z16 Function

**Quality Manager**

Z02 Date

**08.09.2023**



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B07 MU ID		29782840	29782841	29812741				
B15 Segment N°		1	1	1				
B07 Heat N°		8643023563	8643023563	8643023865				

## NOTCH BAR-IMPACT TEST

	Units	Min.	Max.	Notch Shape: KV - Probe size: Standard ISO 148-1 - Direction: Longitudinal - Condition: As delivered - T°C: -20°C					
				Half Length	Half Length	Half Length			
C01.1 Pos. length				Half Length	Half Length	Half Length			
C01.2 Pos. width				1/4 width	1/4 width	1/4 width			
C45 Sample ID				557176	557176	558638			
C42.1 V1	J	28		245	245	259			
C42.2 V2	J	28		226	226	263			
C42.3 V3	J	28		254	254	241			
C43 Avg.	J	40		242	242	255			

## CHEMICAL COMPOSITION

	Units	Min.	Max.	Casting composition					
C71 C	%		0,12	0,07	0,07	0,07			
C72 Mn	%		1,50	1,12	1,12	1,13			
C73 Si	%		0,50	0,01	0,01	0,02			
C74 P	%		0,025	0,013	0,013	0,013			
C75 S	%		0,020	0,001	0,001	0,001			
C80 Al	%	0,015		0,032	0,032	0,033			
C85 Nb	%		0,09	0,02	0,02	0,03			
C88 Ti	%		0,15	0,01	0,01	0,01			
C89 V	%		0,20	0,00	0,00	0,00			
				NB+Ti+V					
Value	%		0,22	0,03	0,03	0,04			

**Inspection of markings, surface, sizes : satisfactory**

We hereby certify that the above cited shipment was produced according to the technical specifications of the contract and that, with inspection and tests completed, it meets those specifications as well as all norms and standards referred to in the contract.

A05 Autor of the document - Manufacturer

**Quality department**

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**Mateos Riano Sara**

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**08.09.2023**