# INSPECTION CERTIFICATE EN 10204-3.1

A02

N° 0081360135 Page 1
A09/A03

ArcelorMittal

ARCELORMITTAL FRANCE MARDYCK
ROUTE DE SPYCKER
BP 129 F-59760 GRANDE SYNTHE
A01

Mill's identification: **MK** A04

Hot rolled pickled coil B03

| Sizes | | |
|---|---|---|
| Length | Width | Thickness |
| B09 | B10 | B11 |
| | 1500,00 | 3,000 |

CDC: According to specifications
BL : As rolled
D : Stress relieving
R : Annealed

| Inspection organism | Customer and/or consignee | Customer's Order Nbr | Mill's Order Nbr |
|---|---|---|---|
| METALLURGIE QUALITE A05 | Oy AluSteel Ab<br>Hepokarintie 9<br>23500 UUSIKAUPUNKI Finland A06 | 38908 A07 | GH14ALU003 000001 A08 |

Grade and technical specifications

**Quality :** Amstrong355MC AFCS **Standard :** AFCS

| | Coating | Mass | Chemical treatment | Spangle | Appearence | Protection |
|---|---|---|---|---|---|---|
| **Face 1** | | | without treatme | | A | STD PROTECTION |
| **Face 2** | | | without treatme | | A | STD PROTECTION |

**Article reference :** B01/B02

Delivery condition: CDC B04

Treatment of test samples: CDC B05

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Minimum | | | | 355 | 430 | 25 | 380 | 440 | 24 | | | | | | | | | | | | | | | | | | | | | | |
| Maximum | | | | 435 | 520 | | 460 | 530 | | | | | | | | | | | | | | | | | | | | | | | |

| Product identification | Heat number | P (1) | Net Weight Kg | Longitudinal tensile test Ys MPA | Ts MPA | EL% 2 (2) | Transverse tensile test YS | TS | EL% 2 (2) | n (5) | Roughness (3) Ra µm | Peaks | Coating (4) Edge | Center | Edge | Aver. | Edge | Center | Edge | Aver. | Aver. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B07 | C00 | C01 | | C11 | C12 | C13 | C11 | C12 | C13 | | | | | | | | | | | | |
| 27669700 | 8641059003 | F | 24160 | 413 | 463 | 39 | | | | 0,180 | | | | | | | | | | | |
| 27671200 | 8641058914 | F | 27140 | 416 | 468 | 38 | | | | 0,170 | | | | | | | | | | | |
| 27673400 | 8641058595 | F | 23980 | 432 | 481 | 41 | | | | 0,190 | | | | | | | | | | | |
| 27731900 | 8641059921 | F | 28640 | 411 | 464 | 39 | | | | 0,180 | | | | | | | | | | | |

Chemical analysis in % ( * : product analysis )

| Heat number | | C | Mn | P | S | Si | Al | N | Ti | Nb | V | Ni | Cr | Cu | Mo |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C00 | | C71 | C72 | C73 | C74 | C75 | C76 | C77 | C78 | C79 | C80 | C81 | C82 | C83 | C84 |
| | Minimum | | | | | | 0,0150 | | | | | | | | |
| | Maximum | 0,1000 | 1,4000 | 0,0200 | 0,0150 | 0,0300 | | | 0,1500 | 0,0650 | 0,2000 | | | | |
| 8641059003 | | 0,0594 | 0,3542 | 0,0150 | 0,0096 | 0,0079 | 0,0282 | 0,0043 | 0,0007 | 0,0233 | 0,0004 | 0,0122 | 0,0291 | 0,0070 | 0,0011 |
| 8641058914 | | 0,0702 | 0,3457 | 0,0122 | 0,0073 | 0,0038 | 0,0376 | 0,0026 | 0,0004 | 0,0249 | 0,0001 | 0,0226 | 0,0267 | 0,0160 | 0,0012 |
| 8641058595 | | 0,0727 | 0,5173 | 0,0179 | 0,0057 | 0,0073 | 0,0412 | 0,0039 | 0,0010 | 0,0247 | 0,0002 | 0,0145 | 0,0277 | 0,0082 | 0,0011 |
| 8641059921 | | 0,0621 | 0,3586 | 0,0092 | 0,0076 | 0,0082 | 0,0373 | 0,0036 | 0,0005 | 0,0225 | 0,0004 | 0,0136 | 0,0208 | 0,0083 | 0,0007 |

| (1) | (2) | (3) | (4) | (5) |
|---|---|---|---|---|
| Location<br>D : Head<br>M : Middle<br>F : Tail<br>C01 | 1: LO = 80mm<br>2: LO = 5.65√SO<br>3: JIS 25x50<br>C10 | | | n : Longitudinal |

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. Z01

Inspection of markings, surface, sizes : satisfactory. D01

Date 14/12/21
Receiving Agent
S.MATEOS
349 Z02/Z03