



ArcelorMittal Bremen GmbH  
 Postfach 210220  
 28222 BREMEN  
 Carl-Benz-Strasse 30  
 28237 BREMEN  
 Telefon 0421/6480  
 Telefax 0421/6482251

A02 CERTIFICATE  
 A03 Page: 01/ 01  
**20220043742-00**  
 Inspection certificate 3.1 EN 10204  
 A05 ORIGINATOR OF THE DOCUMENT  
 ArcelorMittal Bremen GmbH  
 Carl-Benz-Straße 30, 28237 Bremen  
 zeugnisse.bremen@arcelormittal.com  
 Telefon 0421/6482813

A09 DISPATCH NOTE  
 DATE 0000221281  
 15.06.2022  
 A08.1 MANUFACTURER'S ORDER NR **2215135**  
 DATE 02.03.2022  
 AGENCY'S ORDER NR. GH22HTH003009  
 A07 CUSTOMER'S ORDER NUMBER  
 15657/15657/009  
 A10 PART NUMBER  
 AMSTRONG355MC\_PICKLED

A06.1 CUSTOMER  
 HTM YHTIOT OY  
 TIILITEHTAANTIE 23  
 12310 RYTTYLAE  
 Finland  
 A06.2 CONSIGNEE  
 HTM YHTIOT OY  
 TIILITEHTAANTIE 23  
 12310 RYTTYLAE  
 Finland

PRODUCT: hot rolled pickled coil      QUALITY: **AMSTRONG@355MC**      STANDARD: **AM FCE**  
 TERMS OF DELIVERY: **EN 10051 (2010)**      **S355MC**      **EN 10149-2 (00-09-2013)**

JITZ 1.79

| A08.2<br>ITEM | B09<br>THICKNES<br>mm | B10<br>WIDTH<br>mm |
|---------------|-----------------------|--------------------|
| 9             | 4.00                  | 1500.00            |

| A08.2<br>ITEM | B07.1<br>COILNO | B07.1<br>PART | B13<br>WEIGHT<br>kg | B07.2<br>HEAT | CHEMICAL ANALYSIS |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |
|---------------|-----------------|---------------|---------------------|---------------|-------------------|---------|---------|--------|--------|---------|---------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
|               |                 |               |                     |               | C71               | C73     | C72     | C74    | C75    | C81     | C77     | C76    | C83    | C84    | C78     | C82     | C79     | C80     | C85     | As      | Sn      |
|               |                 |               |                     |               | C<br>%            | Si<br>% | Mn<br>% | P<br>% | S<br>% | Cu<br>% | Al<br>% | N<br>% | B<br>% | V<br>% | Ti<br>% | Nb<br>% | Cr<br>% | Ni<br>% | Mo<br>% | As<br>% | Sn<br>% |
| 9             | 617647          | 50000         | 13040               | 047247        | .0752             | .0145   | .5489   | .0130  | .0037  | .0150   | .0299   | .0052  | .0001  | .0032  | .0010   | .0233   | .0182   | .0335   | .0040   | .0016   | .0028   |
|               |                 |               |                     | 047247        | 0000              | 0000    | 0000    | 0000   | 0000   | 0000    | 0000    | 0000   | 0000   | 0000   | 0000    | 0000    | 0000    | 0000    | 0000    | 0000    | 0000    |
|               | 617647          | 50100         | 13600               | 047247        | .0752             | .0145   | .5489   | .0130  | .0037  | .0150   | .0299   | .0052  | .0001  | .0032  | .0010   | .0233   | .0182   | .0335   | .0040   | .0016   | .0028   |
|               |                 |               |                     | 047247        | 0000              | 0000    | 0000    | 0000   | 0000   | 0000    | 0000    | 0000   | 0000   | 0000   | 0000    | 0000    | 0000    | 0000    | 0000    | 0000    | 0000    |
|               |                 |               | 2                   | 26640         |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |
| TOTAL         |                 |               | 2                   | 26640         |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |

| A08.2<br>ITEM | B07.1<br>COILNO | B07.1<br>PART | B13<br>WEIGHT<br>kg | B07.2<br>HEAT | TENSILE TEST |     |            |     |     |      |     | BENDTEST              |                       |            |    |
|---------------|-----------------|---------------|---------------------|---------------|--------------|-----|------------|-----|-----|------|-----|-----------------------|-----------------------|------------|----|
|               |                 |               |                     |               | C02          | C04 | C03        | C11 | C12 | C13  | C50 | yield p.<br>Re<br>MPa | strength<br>Rm<br>MPa | A50mm<br>% | Fa |
|               |                 |               |                     |               | PR<br>°      | MAZ | Temp<br>°C |     |     |      |     |                       |                       |            |    |
| 9             | 617647          | 50000         | 13040               | 047247        | 0            | F   | 20         | 407 | 495 | 33.5 | 1   |                       |                       |            |    |
|               |                 |               |                     | 047247        | 90           | F   | 20         | 416 | 491 | 28.5 |     |                       |                       |            |    |
|               | 617647          | 50100         | 13600               | 047247        | 0            | F   | 20         | 407 | 495 | 33.5 | 1   |                       |                       |            |    |
|               |                 |               |                     | 047247        | 90           | F   | 20         | 416 | 491 | 28.5 |     |                       |                       |            |    |
|               |                 |               | 2                   | 26640         |              |     |            |     |     |      |     |                       |                       |            |    |
| TOTAL         |                 |               | 2                   | 26640         |              |     |            |     |     |      |     |                       |                       |            |    |

We certify hereby that the delivery complies with the above mentioned specification.



QUALITY DEPARTMENT  
 SITE EXPERT FOR INSPECTION

BREMEN 15.06.2022

Kochanowski

*Kochanowski*

|   |   |
|---|---|
| C02 test direction<br>relating to rolling direction (0°= L; 90°= T) | C04 specimen condition<br>V:aged F:fresh N:normalised |
|---|---|