



ArcelorMittal Bremen GmbH  
Postfach 210220  
28222 BREMEN  
Carl-Benz-Strasse 30  
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A02  
CERTIFICATE

A03 Page: 01 / 02  
20190002343-00

Inspection certificate 3.1 EN 10204

A05 ORIGINATOR OF THE DOCUMENT  
ArcelorMittal Bremen GmbH  
Abnahme/Zugnissschreibung  
zeugnisse.bremen@arcelormittal.com  
Telefon 0421/6482813

A09 DISPATCH NOTE  
DATE

0000810179  
11.01.2019

A08.1 MANUFACTURER'S ORDER NR 1832224  
DATE 17.09.2018  
AGENCY'S ORDER NR. FH84KON004004

A07 CUSTOMER'S ORDER NUMBER  
1112254

A10 PART NUMBER  
XR355068P

A06.1 CUSTOMER  
OY KONTINO AB

HAKINTIE, 6  
01380 VANTAA  
Finnland

A06.2 CONSIGNEE  
OY KONTINO AB

HAKINTIE, 6  
01380 VANTAA  
Finnland

127830



Kontino Oy Ab

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

JITZ 1.74

| A08.2<br>ITEM | B09<br>THICKNESS<br>mm | B10<br>WIDTH<br>mm | B11<br>LENGTH<br>mm |
|---------------|------------------------|--------------------|---------------------|
| 4             | 6.00                   | 1500.00            | 3000.00             |

| A08.2<br>ITEM | B07.1<br>COILNO | B07.1<br>PART | B13<br>WEIGHT<br>kg | B08<br>AMOUNT | B07.2<br>HEAT | CHEMICAL ANALYSIS |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |
|---------------|-----------------|---------------|---------------------|---------------|---------------|-------------------|---------|---------|--------|--------|---------|---------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|--|
|               |                 |               |                     |               |               | C71               | C73     | C72     | C74    | C75    |         | C77     | C76    |        |        |         |         |         |         |         |         |         |  |
|               |                 |               |                     |               |               | 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>% |  |
| 4             | 125609          | 00100         | 2335                | 11            | 057118        | .0750             | .0091   | .5325   | .0109  | .0053  | .0099   | .0342   | .0041  | .0001  | .0007  | .0011   | .0238   | .0221   | .0250   | .0019   | .0013   | .0009   |  |
|               | 4599463         |               |                     |               |               |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |
|               | 125609          | 00200         | 2355                | 11            | 057118        | .0750             | .0091   | .5325   | .0109  | .0053  | .0099   | .0342   | .0041  | .0001  | .0007  | .0011   | .0238   | .0221   | .0250   | .0019   | .0013   | .0009   |  |
|               | 4599464         |               |                     |               |               |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |
|               | 125609          | 00300         | 2350                | 11            | 057118        | .0750             | .0091   | .5325   | .0109  | .0053  | .0099   | .0342   | .0041  | .0001  | .0007  | .0011   | .0238   | .0221   | .0250   | .0019   | .0013   | .0009   |  |
|               | 4599465         |               |                     |               |               |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |
|               | 125609          | 00400         | 2350                | 11            | 057118        | .0750             | .0091   | .5325   | .0109  | .0053  | .0099   | .0342   | .0041  | .0001  | .0007  | .0011   | .0238   | .0221   | .0250   | .0019   | .0013   | .0009   |  |
|               | 4599466         |               |                     |               |               |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |
|               | 125609          | 00500         | 2350                | 11            | 057118        | .0750             | .0091   | .5325   | .0109  | .0053  | .0099   | .0342   | .0041  | .0001  | .0007  | .0011   | .0238   | .0221   | .0250   | .0019   | .0013   | .0009   |  |
|               | 4599467         |               |                     |               |               |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |
|               | 125609          | 00600         | 2355                | 11            | 057118        | .0750             | .0091   | .5325   | .0109  | .0053  | .0099   | .0342   | .0041  | .0001  | .0007  | .0011   | .0238   | .0221   | .0250   | .0019   | .0013   | .0009   |  |
|               | 4599468         |               |                     |               |               |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |
| 125609        | 00800           | 2345          | 11                  | 057118        | .0750         | .0091             | .5325   | .0109   | .0053  | .0099  | .0342   | .0041   | .0001  | .0007  | .0011  | .0238   | .0221   | .0250   | .0019   | .0013   | .0009   |         |  |
| 4599470       |                 |               |                     |               |               |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |
| 125609        | 00900           | 2355          | 11                  | 057118        | .0750         | .0091             | .5325   | .0109   | .0053  | .0099  | .0342   | .0041   | .0001  | .0007  | .0011  | .0238   | .0221   | .0250   | .0019   | .0013   | .0009   |         |  |
| 4599471       |                 |               |                     |               |               |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |
| 125609        | 01000           | 2355          | 11                  | 057118        | .0750         | .0091             | .5325   | .0109   | .0053  | .0099  | .0342   | .0041   | .0001  | .0007  | .0011  | .0238   | .0221   | .0250   | .0019   | .0013   | .0009   |         |  |
| 4599472       |                 |               |                     |               |               |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |
|               |                 | 9             | 21150               |               |               |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |
| TOTAL         |                 | 9             | 21150               |               |               |                   |         |         |        |        |         |         |        |        |        |         |         |         |         |         |         |         |  |

| A08.2<br>ITEM | B07.1<br>COIL NO | B07.1<br>PART | B13<br>WEIGHT<br>kg | B08<br>AMOUNT | B07.2<br>HEAT | TENSILE TEST |      |       |             |       | BEND TEST |     | SHOCK TEST |      |       |       |       |
|---------------|------------------|---------------|---------------------|---------------|---------------|--------------|------|-------|-------------|-------|-----------|-----|------------|------|-------|-------|-------|
|               |                  |               |                     |               |               | C02          | C03  | C11   | C12         | C13   | C50       | C44 | C02        | C03  | C42   | C42   | C42   |
|               |                  |               |                     |               |               | PR           | Temp | yield | p. strength | A60mm | Fa        | S0  | PR         | Temp | KV2 1 | KV2 2 | KV2 3 |
|               |                  |               |                     |               |               | °            | °C   | Re    | Rm          | %     |           | cm² | °          | °C   | J     | J     | J     |

C02 test direction relating to rolling direction (0°= L; 90°= T) C04 specimen condition V:aged F:fresh N:normalised C50 bend test 1:good C43 result in J related to specimen size (C44)



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HAKINTIE, 6  
01380 VANTAA  
Finland  
A06.2 CONSIGNEE  
OY KONTINO AB  
HAKINTIE, 6  
01380 VANTAA  
Finland

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

JITZ 1.74

| A08.2<br>ITEM | B09<br>THICKNES<br>mm | B10<br>WIDTH<br>mm | B11<br>LENGTH<br>mm |
|---------------|-----------------------|--------------------|---------------------|
| 4             | 6.00                  | 1500.00            | 3000.00             |

| A08.2<br>ITEM | B07.1<br>COILNO | B07.1<br>PART | B13<br>WEIGHT<br>kg | B08<br>AMOUNT | B07.2<br>HEAT | TENSILE TEST |            |                       |                       |            | BENDTEST |           | SHOCK TEST |            |            |            |            |            |
|---------------|-----------------|---------------|---------------------|---------------|---------------|--------------|------------|-----------------------|-----------------------|------------|----------|-----------|------------|------------|------------|------------|------------|------------|
|               |                 |               |                     |               |               | C02          | C03        | C11                   | C12                   | C13        | C50      | C44       | C02        | C03        | C42        | C42        | C42        | C43        |
|               |                 |               |                     |               |               | PR<br>°      | Temp<br>°C | yield p.<br>Re<br>MPa | strength<br>Rm<br>MPa | A60mm<br>% | Fa       | S0<br>cm² | PR<br>°    | Temp<br>°C | KV2 1<br>J | KV2 2<br>J | KV2 3<br>J | KV2 m<br>J |
| 4             | 125609          | 00100         | 2335                | 11            | 057118        | 0            | 20         | 408                   | 492                   | 34         | 1        | .8        | 0          | -20        | 186        | 190        | 184        | 186        |
|               | 4599463         |               |                     |               |               |              |            |                       |                       |            |          |           |            |            |            |            |            |            |
|               | 125609          | 00200         | 2355                | 11            | 057118        | 0            | 20         | 408                   | 492                   | 34         | 1        | .8        | 0          | -20        | 186        | 190        | 184        | 186        |
|               | 4599464         |               |                     |               |               |              |            |                       |                       |            |          |           |            |            |            |            |            |            |
|               | 125609          | 00300         | 2350                | 11            | 057118        | 0            | 20         | 408                   | 492                   | 34         | 1        | .8        | 0          | -20        | 186        | 190        | 184        | 186        |
|               | 4599465         |               |                     |               |               |              |            |                       |                       |            |          |           |            |            |            |            |            |            |
|               | 125609          | 00400         | 2350                | 11            | 057118        | 0            | 20         | 408                   | 492                   | 34         | 1        | .8        | 0          | -20        | 186        | 190        | 184        | 186        |
|               | 4599466         |               |                     |               |               |              |            |                       |                       |            |          |           |            |            |            |            |            |            |
|               | 125609          | 00500         | 2350                | 11            | 057118        | 0            | 20         | 408                   | 492                   | 34         | 1        | .8        | 0          | -20        | 186        | 190        | 184        | 186        |
|               | 4599467         |               |                     |               |               |              |            |                       |                       |            |          |           |            |            |            |            |            |            |
|               | 125609          | 00600         | 2355                | 11            | 057118        | 0            | 20         | 408                   | 492                   | 34         | 1        | .8        | 0          | -20        | 186        | 190        | 184        | 186        |
|               | 4599468         |               |                     |               |               |              |            |                       |                       |            |          |           |            |            |            |            |            |            |
|               | 125609          | 00800         | 2345                | 11            | 057118        | 0            | 20         | 408                   | 492                   | 34         | 1        | .8        | 0          | -20        | 186        | 190        | 184        | 186        |
|               | 4599470         |               |                     |               |               |              |            |                       |                       |            |          |           |            |            |            |            |            |            |
|               | 125609          | 00900         | 2355                | 11            | 057118        | 0            | 20         | 408                   | 492                   | 34         | 1        | .8        | 0          | -20        | 186        | 190        | 184        | 186        |
|               | 4599471         |               |                     |               |               |              |            |                       |                       |            |          |           |            |            |            |            |            |            |
|               | 125609          | 01000         | 2355                | 11            | 057118        | 0            | 20         | 408                   | 492                   | 34         | 1        | .8        | 0          | -20        | 186        | 190        | 184        | 186        |
|               | 4599472         |               |                     |               |               |              |            |                       |                       |            |          |           |            |            |            |            |            |            |
|               |                 | 9             |                     | 21150         |               |              |            |                       |                       |            |          |           |            |            |            |            |            |            |
| TOTAL         |                 | 9             |                     | 21150         |               |              |            |                       |                       |            |          |           |            |            |            |            |            |            |

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

BREMEN 11.01.2019



QUALITY DEPARTMENT  
SITE EXPERT FOR INSPECTION  
Kramer

*Kramer*

|                                                                     |                                                          |                          |                                                   |
|---------------------------------------------------------------------|----------------------------------------------------------|--------------------------|---------------------------------------------------|
| C02 test direction<br>relating to rolling direction (0°= L; 90°= T) | C04 specimen condition<br>V: aged F: fresh N: normalised | C50 bend test<br>1: good | C43 result in J<br>related to specimen size (C44) |
|---------------------------------------------------------------------|----------------------------------------------------------|--------------------------|---------------------------------------------------|