



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

A02
CERTIFICATE
A03 Page: 01 / 04
20200043042-00
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
0000994470
10.08.2020
A08.1 MANUFACTURER'S ORDER NR
DATE
AGENCY'S ORDER NR.
2067203
09.04.2020
GH02KON011005
A07 CUSTOMER'S ORDER NUMBER
1113907
A10 PART NUMBER
XR355158

A06.1 CUSTOMER
OY KONTINO AB
HAKINTIE, 6
01380 VANTAA
Finland
A06.2 CONSIGNEE
OY KONTINO AB
HAKINTIE, 6
01380 VANTAA
Finland

PRODUCT: hot rolled unpickled sheet

QUALITY: **AMSTRONG@355MC**
S355MC

STANDARD: **AM FCE**
EN 10149-2 (00-09-2013)

TERMS OF DELIVERY: **EN 10051 (2010)**

JITZ 1.78

ArcelorMittal Bremen GmbH, Postfach 210220, 28222 BREMEN

OY KONTINO AB

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 DATE 0000994470
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 A08.1 MANUFACTURER'S ORDER NR **2067203**
 DATE 09.04.2020
 AGENCY'S ORDER NR. GH02KON011005
 A07 CUSTOMER'S ORDER NUMBER
 1113907
 A10 PART NUMBER
 XR355158

A06.1 CUSTOMER
OY KONTINO AB
HAKINTIE, 6
01380 VANTAA
Finland
 A06.2 CONSIGNEE
OY KONTINO AB
HAKINTIE, 6
01380 VANTAA
Finland

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

JITZ 1.78

| A08.2 ITEM | B09 THICKNES mm | B10 WIDTH mm | B11 LENGTH mm |
|---------------|-----------------------|--------------------|---------------------|
| 5 | 15.00 | 1500.00 | 3000.00 |

| A08.2 ITEM | B07.1 COILNO | B07.1 PART | B13 WEIGHT kg | B08 AMOUNT | B07.2 HEAT | CHEMICAL ANALYSIS | | | | | | | | | | | | | | | | | | |
|---------------|-----------------|---------------|---------------------|---------------|---------------|-------------------|---------|---------|--------|--------|---------|---------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|
| | | | | | | C71 | C73 | C72 | C74 | C75 | C81 | C77 | C76 | C83 | C84 | C78 | C82 | C79 | C80 | C85 | As | Sn | | |
| | | | | | | C % | Si % | Mn % | P % | S % | Cu % | Al % | N % | B % | V % | Ti % | Nb % | Cr % | Ni % | Mo % | As % | Sn % | | |
| 5 | 173686 | 00700 | 2130 | 4 | 025628 | .0751 | .0146 | .9457 | .0116 | .0042 | .0196 | .0323 | .0045 | .0001 | .0014 | .0011 | .0475 | .0456 | .0358 | .0056 | .0013 | .0022 | | |
| | | | | | | 4752729 | 025628 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | 173686 | 00800 | 2130 | 4 | 025628 | .0751 | .0146 | .9457 | .0116 | .0042 | .0196 | .0323 | .0045 | .0001 | .0014 | .0011 | .0475 | .0456 | .0358 | .0056 | .0013 | .0022 | | |
| | | | | | | 4752730 | 025628 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | 173686 | 00900 | 2135 | 4 | 025628 | .0751 | .0146 | .9457 | .0116 | .0042 | .0196 | .0323 | .0045 | .0001 | .0014 | .0011 | .0475 | .0456 | .0358 | .0056 | .0013 | .0022 | | |
| | | | | | | 4752731 | 025628 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | 173686 | 01000 | 2135 | 4 | 025628 | .0751 | .0146 | .9457 | .0116 | .0042 | .0196 | .0323 | .0045 | .0001 | .0014 | .0011 | .0475 | .0456 | .0358 | .0056 | .0013 | .0022 | | |
| | | | | | | 4752732 | 025628 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | 173686 | 01100 | 2140 | 4 | 025628 | .0751 | .0146 | .9457 | .0116 | .0042 | .0196 | .0323 | .0045 | .0001 | .0014 | .0011 | .0475 | .0456 | .0358 | .0056 | .0013 | .0022 | | |
| | | | | | | 4752733 | 025628 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | 173686 | 01200 | 535 | 1 | 025628 | .0751 | .0146 | .9457 | .0116 | .0042 | .0196 | .0323 | .0045 | .0001 | .0014 | .0011 | .0475 | .0456 | .0358 | .0056 | .0013 | .0022 | | |
| | | | | | | 4752734 | 025628 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | 173687 | 00600 | 2135 | 4 | 025628 | .0751 | .0146 | .9457 | .0116 | .0042 | .0196 | .0323 | .0045 | .0001 | .0014 | .0011 | .0475 | .0456 | .0358 | .0056 | .0013 | .0022 | | |
| | | | | | | 4752740 | 025628 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | 173687 | 01000 | 2135 | 4 | 025628 | .0751 | .0146 | .9457 | .0116 | .0042 | .0196 | .0323 | .0045 | .0001 | .0014 | .0011 | .0475 | .0456 | .0358 | .0056 | .0013 | .0022 | | |
| | | | | | | 4752744 | 025628 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | 173687 | 01100 | 2135 | 4 | 025628 | .0751 | .0146 | .9457 | .0116 | .0042 | .0196 | .0323 | .0045 | .0001 | .0014 | .0011 | .0475 | .0456 | .0358 | .0056 | .0013 | .0022 | | |
| | | | | | | 4752745 | 025628 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | 173687 | 01200 | 1600 | 3 | 025628 | .0751 | .0146 | .9457 | .0116 | .0042 | .0196 | .0323 | .0045 | .0001 | .0014 | .0011 | .0475 | .0456 | .0358 | .0056 | .0013 | .0022 | | |
| | | | | | | 4752746 | 025628 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| | | | 10 | | | 19210 | | | | | | | | | | | | | | | | | | |
| TOTAL | | | 10 | | | 19210 | | | | | | | | | | | | | | | | | | |

| | | | |
|---|---|-------------------------|--|
| 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 specimensize (C44) |
|---|---|-------------------------|--|



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20200043042-00
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 A05 ORIGINATOR OF THE DOCUMENT
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A09 DISPATCH NOTE
 DATE 10.08.2020
 A08.1 MANUFACTURER'S ORDER NR **2067203**
 DATE 09.04.2020
 AGENCY'S ORDER NR. GH02KON011005
 A07 CUSTOMER'S ORDER NUMBER
 1113907
 A10 PART NUMBER
 XR355158

A06.1 CUSTOMER
OY KONTINO AB
HAKINTIE, 6
01380 VANTAA
Finland
 A06.2 CONSIGNEE
OY KONTINO AB
HAKINTIE, 6
01380 VANTAA
Finland

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

JITZ 1.78

| A08.2 ITEM | B09 THICKNESS mm | B10 WIDTH mm | B11 LENGTH mm |
|------------|------------------|--------------|---------------|
| 5 | 15.00 | 1500.00 | 3000.00 |

| A08.2 ITEM | B07.1 COIL NO | B07.1 PART | B13 WEIGHT kg | B08 AMOUNT | B07.2 HEAT | TENSILE TEST | | | | | | BEND TEST | SHOCK TEST | | | | | | | |
|------------|---------------|------------|---------------|------------|------------|--------------|---------|-------------|---------------------|---------------------|--------------|-----------|------------|----------|-------------|-------------|-------------|-------------|-------------|--|
| | | | | | | C02 PR ° | C04 MAZ | C03 Temp °C | C11 yield p. Re MPa | C12 strength Rm MPa | C13 A120mm % | C50 Fa | C44 S0 cm² | C02 PR ° | C03 Temp °C | C42 KV2_1 J | C42 KV2_2 J | C42 KV2_3 J | C43 KV2_m J | |
| | | | | | | 0 | | | MPa | MPa | % | | | | | | | | | |
| 5 | 173686 | 00700 | 2130 | 4 | 025628 | 0 | F | 20 | 403 | 510 | 29 | 1 | .8 | 0 | -20 | 141 | 204 | 226 | 190 | |
| | | | | | | 4752729 | 90 | F | 20 | 422 | 521 | 25 | | | | | | | | |
| | 173686 | 00800 | 2130 | 4 | 025628 | 0 | F | 20 | 403 | 510 | 29 | 1 | .8 | 0 | -20 | 141 | 204 | 226 | 190 | |
| | | | | | | 4752730 | 90 | F | 20 | 422 | 521 | 25 | | | | | | | | |
| | 173686 | 00900 | 2135 | 4 | 025628 | 0 | F | 20 | 403 | 510 | 29 | 1 | .8 | 0 | -20 | 141 | 204 | 226 | 190 | |
| | | | | | | 4752731 | 90 | F | 20 | 422 | 521 | 25 | | | | | | | | |
| | 173686 | 01000 | 2135 | 4 | 025628 | 0 | F | 20 | 403 | 510 | 29 | 1 | .8 | 0 | -20 | 141 | 204 | 226 | 190 | |
| | | | | | | 4752732 | 90 | F | 20 | 422 | 521 | 25 | | | | | | | | |
| | 173686 | 01100 | 2140 | 4 | 025628 | 0 | F | 20 | 403 | 510 | 29 | 1 | .8 | 0 | -20 | 141 | 204 | 226 | 190 | |
| | | | | | | 4752733 | 90 | F | 20 | 422 | 521 | 25 | | | | | | | | |
| | 173686 | 01200 | 535 | 1 | 025628 | 0 | F | 20 | 403 | 510 | 29 | 1 | .8 | 0 | -20 | 141 | 204 | 226 | 190 | |
| | | | | | | 4752734 | 90 | F | 20 | 422 | 521 | 25 | | | | | | | | |
| | 173687 | 00600 | 2135 | 4 | 025628 | 0 | F | 20 | 413 | 514 | 28.5 | 1 | .8 | 0 | -20 | 207 | 194 | 236 | 212 | |
| | | | | | | 4752740 | 90 | F | 20 | 440 | 527 | 24.5 | | | | | | | | |
| | 173687 | 01000 | 2135 | 4 | 025628 | 0 | F | 20 | 413 | 514 | 28.5 | 1 | .8 | 0 | -20 | 207 | 194 | 236 | 212 | |
| | | | | | | 4752744 | 90 | F | 20 | 440 | 527 | 24.5 | | | | | | | | |
| | 173687 | 01100 | 2135 | 4 | 025628 | 0 | F | 20 | 413 | 514 | 28.5 | 1 | .8 | 0 | -20 | 207 | 194 | 236 | 212 | |
| | | | | | | 4752745 | 90 | F | 20 | 440 | 527 | 24.5 | | | | | | | | |
| | 173687 | 01200 | 1600 | 3 | 025628 | 0 | F | 20 | 413 | 514 | 28.5 | 1 | .8 | 0 | -20 | 207 | 194 | 236 | 212 | |
| | | | | | | 4752746 | 90 | F | 20 | 440 | 527 | 24.5 | | | | | | | | |
| | | | 10 | | | | | | | | | | | | | | | | | |
| TOTAL | | | 10 | | | | | | | | | | | | | | | | | |

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

| | | | |
|---|---|-------------------------|--|
| 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 specimensize (C44) |
|---|---|-------------------------|--|



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 A05 ORIGINATOR OF THE DOCUMENT
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 TERMS OF DELIVERY: **EN 10051 (2010)** **S355MC** **EN 10149-2 (00-09-2013)**

JITZ 1.78

| A08.2 ITEM | B09 THICKNES mm | B10 WIDTH mm | B11 LENGTH mm |
|---------------|-----------------------|--------------------|---------------------|
| 5 | 15.00 | 1500.00 | 3000.00 |



BREMEN 10.08.2020

QUALITY DEPARTMENT
 SITE EXPERT FOR INSPECTION
 Kramer

Jarkko Kramer

| | | | |
|---|---|-------------------------|--|
| 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 specimensize (C44) |
|---|---|-------------------------|--|