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|---|---|---------------------------------------|---|---|
| AO1  ArcelorMittal ArcelorMittal Belgium NV ArcelorMittal Gent John Kennedylaan, 51 9042 Gent (België) Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07 | AO2 CERTIFICATE INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT. | AO3 211732393 P. 01/01 | AO9 DISPATCH NOTE 3810408 DATE 10-12-2021 | AO6.1 CUSTOMER HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 0501838 |
| | AO5 AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT | AO8 ORDER NUMBER 31187 DATE | AO7 YOUR ORDER NO 15161 DATE 24-08-2021 | AO6.2 DESTINATION HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 050183 |
| | | CONTRACT NO GH14HTHO12 | YOUR REFERENCES | |
| | | OUR REFERENCES OBC-AU/DHAH | | |

BO1-BO4 MATERIAL - HOT ROLLED STEEL COILS ,PICKLED, STANDARD = AM FCE
 QUALITY AMSTRONG355MC
 STAND: EN 10051 (2010)

| BO9 ITEM | B10 WIDTH MM | B11 THICKNESS MM | REF. CUSTOMER |
|----------|-----------------|---------------------|-----------------------|
| O2 | 1.500 | 3.00 | AMSTRONG355MC_PICKLED |
| O4 | 1.250 | 3.00 | AMSTRONG355MC_PICKLED |

| BO9 ITEM | PACK NR | B13 GROSS WEIGHT KG | B07 COIL NO | B08 CAST N. | CHEMICAL ANALYSIS C70 STEELMAKING PROCESS: LD | | | | | | | | | | | | | | | MECHANICAL PROPERTIES TENSILE TEST | | | | |
|-------------|-----------|---------------------------|----------------|----------------|--|-----|-----|-----|-----|-----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|---------------------------------------|-----|-----------------------|-----------------------|--------|
| | | | | | C71 | C72 | C73 | C74 | C75 | C76 | C77 | C78 | C79 | C80 | C81 | C82 | C83 | C84 | C85 | C04 | C02 | C11 | C12 | C13 |
| | | | | | C | Mn | Si | P | S | N | Al _t | Ti | Cr | Ni | Cu | Nb | B | V | Mo | | | YIELD Rp0.2 MPa | STRENGTH Rm MPa | A % |
| O2 | 866892711 | 13320 | 49950353 | 87139 | 67 | 36 | 17 | 19 | 5 | 28 | 34 | 1 | 14 | 18 | 8 | 27 | 0 | 2 | 1 | F | L | 390 | 487 | 35 |
| | 866892721 | 13350 | 49950346 | 87139 | 67 | 36 | 17 | 19 | 5 | 28 | 34 | 1 | 14 | 18 | 8 | 27 | 0 | 2 | 1 | F | L | 390 | 487 | 35 |
| | 866895084 | 13360 | 49977219 | 87138 | 67 | 35 | 10 | 12 | 7 | 27 | 21 | 1 | 13 | 18 | 7 | 26 | 0 | 2 | 1 | F | L | 387 | 480 | 35 |
| | 866895093 | 13340 | 49977226 | 87138 | 67 | 35 | 10 | 12 | 7 | 27 | 21 | 1 | 13 | 18 | 7 | 26 | 0 | 2 | 1 | F | L | 387 | 480 | 35 |
| | 4 | 53370 | | | | | | | | | | | | | | | | | | | | | | |
| O4 | 866895035 | 11850 | 49977097 | 87031 | 67 | 35 | 21 | 12 | 6 | 39 | 36 | 2 | 13 | 19 | 8 | 28 | 1 | 0 | 1 | F | L | 389 | 482 | 35 |
| | 866895043 | 11840 | 49977110 | 87035 | 65 | 34 | 22 | 13 | 5 | 34 | 31 | 2 | 14 | 19 | 7 | 28 | 0 | 0 | 1 | F | L | 387 | 481 | 35 |
| | 866895049 | 11750 | 49977103 | 87031 | 67 | 35 | 21 | 12 | 6 | 39 | 36 | 2 | 13 | 19 | 8 | 28 | 1 | 0 | 1 | F | L | 389 | 482 | 35 |
| | 866895061 | 11750 | 49977127 | 87035 | 65 | 34 | 22 | 13 | 5 | 34 | 31 | 2 | 14 | 19 | 7 | 28 | 0 | 0 | 1 | F | L | 387 | 481 | 35 |
| | 4 | 47190 | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | 100560 | | | | | | | | | | | | | | | | | | | | | | |


REMARKS
 TENSILE TEST SPECIMEN LC/LO/BO 120/ 5.65 SQR(SO)/ 20 MM.
 REFERENCES
 AMSTRONG355MC_PICKLED

R. SLOCK
 QUALITY DEPARTMENT
 GENT 10-12-2021

CO4 CONDITION OF THE SPECIMEN
 V: AGED F: NON-AGED N: NORMALISED

CO2 DIRECTION SPECIMEN
 L: OGR S: 45GR D: 9OGR


 Z01

| | | | | |
|---|---|---------------------------------------|---|---|
| A01  ArcelorMittal ArcelorMittal Belgium NV ArcelorMittal Gent John Kennedylaan, 51 9042 Gent (België) Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07 | A02 CERTIFICATE INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT. | A03 211732393 P. 01/01 | A09 DISPATCH NOTE 3810408 DATE 10-12-2021 | A06.1 CUSTOMER HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 0501838 |
| | A05 AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT | A08 ORDER NUMBER 31187 DATE | A07 YOUR ORDER NO 15161 DATE 24-08-2021 | A06.2 DESTINATION HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 050183 |
| | | CONTRACT NO GH14HTHO12 | YOUR REFERENCES | |
| | | OUR REFERENCES OBC-AU/DHAH | | |
| | | | | |

BO1-BO4 SEE BELOW

| BO9 ITEM | B10 WIDTH MM | B11 THICKNESS MM | REF. CUSTOMER |
|----------|-----------------|---------------------|-----------------------|
| O2 | 1.500 | 3.00 | AMSTRONG355MC_PICKLED |
| O4 | 1.250 | 3.00 | AMSTRONG355MC_PICKLED |

| CHEMICAL ANALYSIS | | | | | | | | | | | | | | | | | | | | MECHANICAL PROPERTIES | | | | |
|-----------------------------|-----------|------------------------|-------------|-------------|-----|-----|-----|-----|-----|-----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----------------------|-----|---------------------------|---------------------------|---------------|
| C70 STEELMAKING PROCESS: LD | | | | | | | | | | | | | | | | | | | | TENSILE TEST | | | | |
| BO9 ITEM | PACK NR | B13 GROSS WEIGHT KG | BO7 COIL NO | BO8 CAST N. | C71 | C72 | C73 | C74 | C75 | C76 | C77 | C78 | C79 | C80 | C81 | C82 | C83 | C84 | C85 | CO4 | CO2 | C11 YIELD Rp0.2 MPa | C12 STRENGTH Rm MPa | C13 A % |
| | | | | | C | Mn | Si | P | S | N | Al _t | Ti | Cr | Ni | Cu | Nb | B | V | Mo | | | | | |
| O2 | 866892711 | 13320 | 49950353 | 87139 | 67 | 36 | 17 | 19 | 5 | 28 | 34 | 1 | 14 | 18 | 8 | 27 | 0 | 2 | 1 | F | L | 390 | 487 | 35 |
| | 866892721 | 13350 | 49950346 | 87139 | 67 | 36 | 17 | 19 | 5 | 28 | 34 | 1 | 14 | 18 | 8 | 27 | 0 | 2 | 1 | F | L | 390 | 487 | 35 |
| | 866895084 | 13360 | 49977219 | 87138 | 67 | 35 | 10 | 12 | 7 | 27 | 21 | 1 | 13 | 18 | 7 | 26 | 0 | 2 | 1 | F | L | 387 | 480 | 35 |
| | 866895093 | 13340 | 49977226 | 87138 | 67 | 35 | 10 | 12 | 7 | 27 | 21 | 1 | 13 | 18 | 7 | 26 | 0 | 2 | 1 | F | L | 387 | 480 | 35 |
| | 4 | 53370 | | | | | | | | | | | | | | | | | | | | | | |
| O4 | 866895035 | 11850 | 49977097 | 87031 | 67 | 35 | 21 | 12 | 6 | 39 | 36 | 2 | 13 | 19 | 8 | 28 | 1 | 0 | 1 | F | L | 389 | 482 | 35 |
| | 866895043 | 11840 | 49977110 | 87035 | 65 | 34 | 22 | 13 | 5 | 34 | 31 | 2 | 14 | 19 | 7 | 28 | 0 | 0 | 1 | F | L | 387 | 481 | 35 |
| | 866895049 | 11750 | 49977103 | 87031 | 67 | 35 | 21 | 12 | 6 | 39 | 36 | 2 | 13 | 19 | 8 | 28 | 1 | 0 | 1 | F | L | 389 | 482 | 35 |
| | 866895061 | 11750 | 49977127 | 87035 | 65 | 34 | 22 | 13 | 5 | 34 | 31 | 2 | 14 | 19 | 7 | 28 | 0 | 0 | 1 | F | L | 387 | 481 | 35 |
| | 4 | 47190 | | | | | | | | | | | | | | | | | | | | | | |
| | 8 | 100560 | | | | | | | | | | | | | | | | | | | | | | |

BO1-BO4

- MATERIAL - HOT ROLLED STEEL COILS ,PICKLED,
 (OO-09-2013) ORDER ITEM O4 - AM FCE
 QUALITY ORDER ITEM O2 - S355MC ORDER ITEM O4 - AMSTRONG355MC
 - STAND: EN 10051 (2010)

STANDARD = ORDER ITEM O2 - EN 10149-2


REMARKS

TENSILE TEST SPECIMEN LC/LO/BO 120/ 5.65 SQR(SO)/ 20 MM.
 REFERENCES

AMSTRONG355MC_PICKLED


GENT 10-12-2021

R. SLOCK
 QUALITY DEPARTMENT



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| CO4 CONDITION OF THE SPECIMEN V: AGED F: NON-AGED N: NORMALISED | CO2 DIRECTION SPECIMEN L: OGR S: 45GR D: 9OGR |
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Z01

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|---|--|---------------------------------------|---|---|
| A01  ArcelorMittal ArcelorMittal Belgium NV ArcelorMittal Gent John Kennedylaan, 51 9042 Gent (België) Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07 | A02 CERTIFICATE ----- INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT. | A03 211732393 P. 01/01 | A09 DISPATCH NOTE 3810408 DATE 10-12-2021 | A06.1 CUSTOMER HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 0501838 |
| | A05 AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT | A08 ORDER NUMBER 31187 DATE | A07 YOUR ORDER NO 15161 DATE 24-08-2021 | A06.2 DESTINATION HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 050183 |
| | | CONTRACT NO GH14HTHO12 | YOUR REFERENCES | |
| | | OUR REFERENCES OBC-AU/DHAH | | |
| | | | | |

BO1-BO4 SEE BELOW

| BO9 ITEM | B10 WIDTH MM | B11 THICKNESS MM | REF. CUSTOMER |
|----------|-----------------|---------------------|-----------------------|
| O2 | 1.500 | 3.00 | AMSTRONG355MC_PICKLED |
| O4 | 1.250 | 3.00 | AMSTRONG355MC_PICKLED |

| CHEMICAL ANALYSIS | | | | | | | | | | | | | | | | | | | | MECHANICAL PROPERTIES | | | | |
|-----------------------------|-----------|------------------------|-------------|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------------|-----|---------------------------|---------------------------|---------------|
| C70 STEELMAKING PROCESS: LD | | | | | | | | | | | | | | | | | | | | TENSILE TEST | | | | |
| BO9 ITEM | PACK NR | B13 GROSS WEIGHT KG | BO7 COIL NO | BO8 CAST N. | C71 | C72 | C73 | C74 | C75 | C76 | C77 | C78 | C79 | C80 | C81 | C82 | C83 | C84 | C85 | CO4 | CO2 | C11 YIELD Rp0.2 MPa | C12 STRENGTH Rm MPa | C13 A % |
| | | | | | C | Mn | Si | P | S | N | Al_t | Ti | Cr | Ni | Cu | Nb | B | V | Mo | | | | | |
| | | | | | 10 ⁻³ % | 10 ⁻² % | 10 ⁻³ % | 10 ⁻³ % | 10 ⁻³ % | 10 ⁻⁴ % | 10 ⁻³ % | 10 ⁻³ % | 10 ⁻³ % | 10 ⁻³ % | 10 ⁻³ % | 10 ⁻³ % | 10 ⁻⁴ % | 10 ⁻³ % | 10 ⁻³ % | | | | | |
| O2 | 866892711 | 13320 | 49950353 | 87139 | 67 | 36 | 17 | 19 | 5 | 28 | 34 | 1 | 14 | 18 | 8 | 27 | 0 | 2 | 1 | F | L | 390 | 487 | 35 |
| | 866892721 | 13350 | 49950346 | 87139 | 67 | 36 | 17 | 19 | 5 | 28 | 34 | 1 | 14 | 18 | 8 | 27 | 0 | 2 | 1 | F | L | 390 | 487 | 35 |
| | 866895084 | 13360 | 49977219 | 87138 | 67 | 35 | 10 | 12 | 7 | 27 | 21 | 1 | 13 | 18 | 7 | 26 | 0 | 2 | 1 | F | L | 387 | 480 | 35 |
| | 866895093 | 13340 | 49977226 | 87138 | 67 | 35 | 10 | 12 | 7 | 27 | 21 | 1 | 13 | 18 | 7 | 26 | 0 | 2 | 1 | F | L | 387 | 480 | 35 |
| 4 | | 53370 | | | | | | | | | | | | | | | | | | | | | | |
| O4 | 866895035 | 11850 | 49977097 | 87031 | 67 | 35 | 21 | 12 | 6 | 39 | 36 | 2 | 13 | 19 | 8 | 28 | 1 | 0 | 1 | F | L | 389 | 482 | 35 |
| | 866895043 | 11840 | 49977110 | 87035 | 65 | 34 | 22 | 13 | 5 | 34 | 31 | 2 | 14 | 19 | 7 | 28 | 0 | 0 | 1 | F | L | 387 | 481 | 35 |
| | 866895049 | 11750 | 49977103 | 87031 | 67 | 35 | 21 | 12 | 6 | 39 | 36 | 2 | 13 | 19 | 8 | 28 | 1 | 0 | 1 | F | L | 389 | 482 | 35 |
| | 866895061 | 11750 | 49977127 | 87035 | 65 | 34 | 22 | 13 | 5 | 34 | 31 | 2 | 14 | 19 | 7 | 28 | 0 | 0 | 1 | F | L | 387 | 481 | 35 |
| 4 | | 47190 | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | 100560 | | | | | | | | | | | | | | | | | | | | | | |

BO1-BO4

- MATERIAL - HOT ROLLED STEEL COILS ,PICKLED,
 - EN 10149-2 (00-09-2013)
 QUALITY ORDER ITEM O2 - AMSTRONG355MC ORDER ITEM O4 - S355MC
 - STAND: EN 10051 (2010)

STANDARD = ORDER ITEM O2 - AM FCE ORDER ITEM O4

REMARKS

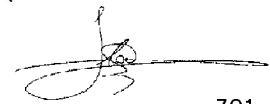
TENSILE TEST SPECIMEN LC/LO/BO 120/ 5.65 SQR(SO)/ 20 MM.

REFERENCES


AMSTRONG355MC_PICKLED

GENT 10-12-2021

R. SLOCK
 QUALITY DEPARTMENT



Z01

| | | | | |
|---|---|---------------------------------------|---|---|
| AO1  ArcelorMittal ArcelorMittal Belgium NV ArcelorMittal Gent John Kennedylaan, 51 9042 Gent (België) Tel.: +32 9.347.31.11 Fax: +32 9.347.49.07 | AO2 CERTIFICATE INSPECTION CERTIFICATE ACCORDING EN10204-3.1 OR EQUIVALENT. | AO3 211732393 P. 01/01 | AO9 DISPATCH NOTE 3810408 DATE 10-12-2021 | AO6.1 CUSTOMER HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 0501838 |
| | AO5 AUTHOR OF THE DOCUMENT AM GENT/ QUALITY DEPARTMENT | AO8 ORDER NUMBER 31187 DATE | AO7 YOUR ORDER NO 15161 DATE 24-08-2021 | AO6.2 DESTINATION HTM YHTIOT OY TIILITEHTAANTIE 23 FIN-12310 RYTTYLAE FINLAND 050183 |
| | | CONTRACT NO GH14HTHO12 | YOUR REFERENCES | |
| | | OUR REFERENCES OBC-AU/DHAH | | |

BO1-BO4 MATERIAL - HOT ROLLED STEEL COILS ,PICKLED, STANDARD = EN 10149-2 (00-09-2013)
 QUALITY S355MC
 STAND: EN 10051 (2010)

| BO9 ITEM | B10 WIDTH MM | B11 THICKNESS MM | REF. CUSTOMER |
|----------|-----------------|---------------------|-----------------------|
| O2 | 1.500 | 3.00 | AMSTRONG355MC_PICKLED |
| O4 | 1.250 | 3.00 | AMSTRONG355MC_PICKLED |

| BO9 ITEM | PACK NR | B13 GROSS WEIGHT KG | B07 COIL NO | B08 CAST N. | CHEMICAL ANALYSIS C70 STEELMAKING PROCESS: LD | | | | | | | | | | | | | | | MECHANICAL PROPERTIES TENSILE TEST | | | | |
|----------|-----------|------------------------|-------------|-------------|--|-----|-----|-----|-----|-----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|---------------------------------------|-----|-----------------------|-----------------------|--------|
| | | | | | C71 | C72 | C73 | C74 | C75 | C76 | C77 | C78 | C79 | C80 | C81 | C82 | C83 | C84 | C85 | C04 | C02 | C11 | C12 | C13 |
| | | | | | C | Mn | Si | P | S | N | Al _t | Ti | Cr | Ni | Cu | Nb | B | V | Mo | | | YIELD Rp0.2 MPa | STRENGTH Rm MPa | A % |
| O2 | 866892711 | 13320 | 49950353 | 87139 | 67 | 36 | 17 | 19 | 5 | 28 | 34 | 1 | 14 | 18 | 8 | 27 | 0 | 2 | 1 | F | L | 390 | 487 | 35 |
| | 866892721 | 13350 | 49950346 | 87139 | 67 | 36 | 17 | 19 | 5 | 28 | 34 | 1 | 14 | 18 | 8 | 27 | 0 | 2 | 1 | F | L | 390 | 487 | 35 |
| | 866895084 | 13360 | 49977219 | 87138 | 67 | 35 | 10 | 12 | 7 | 27 | 21 | 1 | 13 | 18 | 7 | 26 | 0 | 2 | 1 | F | L | 387 | 480 | 35 |
| | 866895093 | 13340 | 49977226 | 87138 | 67 | 35 | 10 | 12 | 7 | 27 | 21 | 1 | 13 | 18 | 7 | 26 | 0 | 2 | 1 | F | L | 387 | 480 | 35 |
| 4 | | 53370 | | | | | | | | | | | | | | | | | | | | | | |
| O4 | 866895035 | 11850 | 49977097 | 87031 | 67 | 35 | 21 | 12 | 6 | 39 | 36 | 2 | 13 | 19 | 8 | 28 | 1 | 0 | 1 | F | L | 389 | 482 | 35 |
| | 866895043 | 11840 | 49977110 | 87035 | 65 | 34 | 22 | 13 | 5 | 34 | 31 | 2 | 14 | 19 | 7 | 28 | 0 | 0 | 1 | F | L | 387 | 481 | 35 |
| | 866895049 | 11750 | 49977103 | 87031 | 67 | 35 | 21 | 12 | 6 | 39 | 36 | 2 | 13 | 19 | 8 | 28 | 1 | 0 | 1 | F | L | 389 | 482 | 35 |
| | 866895061 | 11750 | 49977127 | 87035 | 65 | 34 | 22 | 13 | 5 | 34 | 31 | 2 | 14 | 19 | 7 | 28 | 0 | 0 | 1 | F | L | 387 | 481 | 35 |
| 4 | | 47190 | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | 100560 | | | | | | | | | | | | | | | | | | | | | | |

REMARKS
 TENSILE TEST SPECIMEN LC/LO/BO 120/ 5.65 SQR(SO)/ 20 MM.
 REFERENCES
 AMSTRONG355MC_PICKLED

R. SLOCK
 QUALITY DEPARTMENT
 GENT 10-12-2021

CO4 CONDITION OF THE SPECIMEN
 V: AGED F: NON-AGED N: NORMALISED

CO2 DIRECTION SPECIMEN
 L: OGR S: 45GR D: 9OGR


 Z01