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|--|--|---|--|---|--|--|--|--|--|--|--|
| A01<br>ARCELORMITTAL GENT<br>JOHN KENNEDYLAAN 51..<br>9042 GENT                        |  | <br>ArcelorMittal |  | A03<br>N° 2107153 .1<br>Printout date 02/04/2020                  |  | A08<br>Order No 291942/1<br>Creation date 10/12/2019 |  | A07<br>Cust. Ref. 1113497<br>Order's date 10/12/2019<br>Contract Nr. |  |  |  |
| A05<br>ARCELORMITTAL ESP SSC<br>TWEE MOLENSTRAAT 8<br>2440 GEEL<br>014241510 014285274 |  | OY KONTINO AB<br>HAKINTIE 6-8<br>PL 27<br>01380 VANTAA<br>FINLAND                                 |  |   |  | A06.2<br>Destination                                 |  | OY KONTINO AB<br>HAKINTIE 6-8<br>01380 VANTAA<br>FINLAND             |  |  |  |
|  |  | A06.3<br>Customer   |  | OY KONTINO AB<br>HAKINTIE 6-8<br>PL 27<br>01380 VANTAA<br>FINLAND |  | A09  |  | Del.Note No 449145<br>Delivery date 02/04/2020                       |  |  |  |
| <b>Certificate</b>   |  |   |  |   |  | A02<br>3.1 / EN10204 + KV                            |  |  |  |  |  |

|           |                        |  |
|-----------|------------------------|--|
| B01 - B04 | MATERIAL SPECIFICATION | - Item : 1 SHEET DKP-AMSTRONG355MC-O ARCELORMITTAL |
|-----------|------------------------|--|

|               |   |                  |         |                   |         |                    |       |     |  |                      |  |
|---------------|---|------------------|---------|-------------------|---------|--------------------|-------|-----|--|----------------------|--|
| B03.1<br>Item | 1 | B12<br>Lgth (mm) | 3000.00 | B11<br>Width (mm) | 1500.00 | B09<br>Thick. (mm) | 8.000 | B14 |  | Z05<br>Certification |  |
|---------------|---|------------------|---------|-------------------|---------|--------------------|-------|-----|--|----------------------|--|


|                 |                                       |           |                  |       |                        |    |                   |          |  |  |  |
|-----------------|---------------------------------------|-----------|------------------|-------|------------------------|----|-------------------|----------|--|--|--|
| Product N°      | 2865997 , 2865998 , 2865999 , 2866000 |           |                  |       |                        |    |                   |          |  |  |  |
| B07<br>Coils N° | Entity                                | 865909522 | B07.1<br>Heat No | 63879 | B08 - Number of Pieces | 32 | B13 - Weight (kg) | 9042.000 |  |  |  |
|                 | Supplier entity                       | 865909522 |                  |       |                        |    |                   |          |  |  |  |

| Chemical Analysis |         |                  |                 |                 |                 |                 |                |                  |                 |                 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|---------|------------------|-----------------|-----------------|-----------------|-----------------|----------------|------------------|-----------------|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                   |         | C71              | C72             | C74             | C75             | C73             | C77            | C78              | C80             | C79             | C76 | C81 | C83 | C84 | C82 | C85 | C86 | C88 | C87 | C93 | C94 | C95 | C96 | C97 |
| B07               | B07.1   | C                | Mn              | P               | S               | Si              | Al             | Nb               | V               | Ti              | N   | B   | Cu  | Ni  | Cr  | Mo  | Sn  | As  | Zr  | Cev | Ceq | Gal | Res | Dis |
| Supplier entity   | Heat No | %                | %               | %               | %               | %               | %              | %                | %               | %               | %   | %   | %   | %   | %   | %   | %   | %   | %   | %   | %   | %   | %   | %   |
| 865909522         | 63879   | /0.100<br>0.0742 | /1.400<br>0.540 | /0.020<br>0.014 | /0.015<br>0.005 | /0.030<br>0.010 | 0.015<br>0.041 | /0.075<br>0.0251 | /0.200<br>0.000 | /0.150<br>0.001 | /   | /   | /   | /   | /   | /   | /   | /   | /   | /   | /   | /   | /   | /   |

| Mechanical Values                             |           |            |           |                     |              |                              |     |     |     |     |     |   |           |     |                          |                  |
|---|-----------|------------|-----------|---------------------|--------------|------------------------------|-----|-----|-----|-----|-----|---|-----------|-----|--------------------------|------------------|
| Mechanical characteristics With EN ISO 6892-1 |           |            |           |                     |              |                              |     |     |     |     |     | Caractéristiques en Flexio par Choc With EN ISO 148-1 |           |     |                          |                  |
|   | C04       | C03        | C02       | C11                 | C12          | C13                          | C14 | C15 | C16 | C17 | C18 | C44   | C45       | C46 | C42                      | C43, C40         |
| B07   | Condition | Test temp. | Direction | Re                  | Rm           | A%                           | n   | r   | BH2 | BH0 | WH  | Test temp.  | Direction |     | KC1, ...                 | K                |
| Supplier entity                               |           |            |           | MPa                 | MPa          | %                            |     |     | MPa | MPa | MPa |   |           |     | J                        | J                |
| 865909522                                     |           | +20°C      | L         | 355 /<br>ReL<br>385 | 435 /<br>483 | 25 /<br>A5.65<br>32<br>A5.65 | /   | /   | /   | /   | /   | -40°C   | L         |     | /<br>206, 207, 219<br>Kv | /<br>211.0<br>Kv |

C02, C45 - Direction of the test piece in relation to the rolling direction (L = 0° - T = 90° - S = 45°)

C04 - Sample conditions (V = Aged - F = Fresh - N = Normalized - AR = As Rolled)

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| A01<br>ARCELORMITTAL GENT<br>JOHN KENNEDYLAAN 51..<br>9042 GENT                        |  | ArcelorMittal  |   | A03<br>N° 2107153 .1<br>Printout date 02/04/2020 | A08<br>Order No 291942/1<br>Creation date 10/12/2019 | A07<br>Cust. Ref. 1113497<br>Order's date 10/12/2019<br>Contract Nr. |  |
| A05<br>ARCELORMITTAL ESP SSC<br>TWEE MOLENSTRAAT 8<br>2440 GEEL<br>014241510 014285274 |  | OY KONTINO AB<br>HAKINTIE 6-8<br>PL 27<br>01380 VANTAA<br>FINLAND                              |   |  | A06.2<br>Destination                                 | OY KONTINO AB<br>HAKINTIE 6-8<br>01380 VANTAA<br>FINLAND             |  |
|  |  | A06.3<br>Customer  | OY KONTINO AB<br>HAKINTIE 6-8<br>PL 27<br>01380 VANTAA<br>FINLAND |  |  | A09  | Del.Note No 449145<br>Delivery date 02/04/2020 |
| <b>Certificate</b>   |  |  |   | A02<br>3.1 / EN10204 + KV                        |  |  |  |

| Surface characteristics |       |                 |
|-------------------------|-------|-----------------|
| B07                     | B07.2 |                 |
| Supplier entity         | Faces |                 |
| 865909522               |       | No requirements |

|                       |                       |                                    |                         |  |
|-----------------------|-----------------------|------------------------------------|-------------------------|--|
| Controls carried out: | D01.1 - Visual : O.K. | D01.2 - Measurement control : O.K. | D01.3 - Stamping : O.K. |  |
|-----------------------|-----------------------|------------------------------------|-------------------------|--|

Z01 - We certify hereby that the above mentioned products are consistent with the order prescriptions.

Z02 - Values transmitted by :

ARCELORMITTAL ESP SSC  
Hans Vos  
Kwaliteitsdienst




Z02 - Values certified by :

ARCELORMITTAL GENT  
R. Sloock

Z03 - STAMPING

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|--|---|---|--|--|
| A01<br><br>ARCELORMITTAL ATLANTIQUE<br>RUE DU COMTE JEAN-GRANDE SYNTHE..<br>BP 2508<br>59381 DUNKERQUE CEDEX 1<br>FRANCE<br>ARCELORMITTAL ESP SSC<br>TWEEL MOLENSTRAAT 8<br>2440 GEEL<br>014241510 014285274 | A03<br><b>N° 2107153 .2</b><br>Printout date 02/04/2020           | A08<br>Order No 291942/3<br>Creation date 10/12/2019              | A07<br>Cust. Ref. 1113497<br>Order's date 10/12/2019<br>Contract Nr. |  |
|  | OY KONTINO AB<br>HAKINTIE 6-8<br>PL 27<br>01380 VANTAA<br>FINLAND |   | A06.2<br>Destination   | OY KONTINO AB<br>HAKINTIE 6-8<br>01380 VANTAA<br>FINLAND |
|  | A06.3<br>Customer   | OY KONTINO AB<br>HAKINTIE 6-8<br>PL 27<br>01380 VANTAA<br>FINLAND |  | A09  |
| <b>Certificate</b>   |   | A02<br>3.1 / EN10204 + KV   |  |  |

|           |                        |  |
|-----------|------------------------|--|
| B01 - B04 | MATERIAL SPECIFICATION | - Item : 3 SHEET DKP-AMSTRONG355MC-O ARCELORMITTAL |
|-----------|------------------------|--|

|               |   |                  |         |                   |         |                    |        |     |  |                      |  |
|---------------|---|------------------|---------|-------------------|---------|--------------------|--------|-----|--|----------------------|--|
| B03.1<br>Item | 3 | B12<br>Lgth (mm) | 3000.00 | B11<br>Width (mm) | 1500.00 | B09<br>Thick. (mm) | 12.000 | B14 |  | Z05<br>Certification |  |
|---------------|---|------------------|---------|-------------------|---------|--------------------|--------|-----|--|----------------------|--|


|                 |   |          |                  |            |                        |    |                   |           |  |  |  |
|-----------------|---|----------|------------------|------------|------------------------|----|-------------------|-----------|--|--|--|
| Product N°      | 2867432 , 2867433 , 2867434 , 2867435 , 2867436 , 2867437 , 2867438 |          |                  |            |                        |    |                   |           |  |  |  |
| B07<br>Coils N° | Entity  | 7495596  | B07.1<br>Heat No | 8640026244 | B08 - Number of Pieces | 31 | B13 - Weight (kg) | 13242.000 |  |  |  |
|                 | Supplier entity   | 25568700 |                  |            |                        |    |                   |           |  |  |  |

| Chemical Analysis |            |                  |                  |                  |                  |                  |                 |                  |                  |                  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-------------------|------------|------------------|------------------|------------------|------------------|------------------|-----------------|------------------|------------------|------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                   |            | C71              | C72              | C74              | C75              | C73              | C77             | C78              | C80              | C79              | C76 | C81 | C83 | C84 | C82 | C85 | C86 | C88 | C87 | C93 | C94 | C95 | C96 | C97 |
| B07               | B07.1      | C                | Mn               | P                | S                | Si               | Al              | Nb               | V                | Ti               | N   | B   | Cu  | Ni  | Cr  | Mo  | Sn  | As  | Zr  | Cev | Ceq | Gal | Res | Dis |
| Supplier entity   | Heat No    | %                | %                | %                | %                | %                | %               | %                | %                | %                | %   | %   | %   | %   | %   | %   | %   | %   | %   | %   | %   | %   | %   | %   |
| 25568700          | 8640026244 | /0.100<br>0.0721 | /1.400<br>0.6689 | /0.020<br>0.0173 | /0.015<br>0.0084 | /0.030<br>0.0099 | 0.015<br>0.0368 | /0.075<br>0.0457 | /0.200<br>0.0003 | /0.150<br>0.0008 | /   | /   | /   | /   | /   | /   | /   | /   | /   | /   | /   | /   | /   | /   |

| Mechanical Values                             |           |            |           |                     |                     |                              |     |     |     |     |     |   |           |     |          |             |
|---|-----------|------------|-----------|---------------------|---------------------|------------------------------|-----|-----|-----|-----|-----|---|-----------|-----|----------|-------------|
| Mechanical characteristics With EN ISO 6892-1 |           |            |           |                     |                     |                              |     |     |     |     |     | Caractéristiques en Flexio par Choc With EN ISO 148-1 |           |     |          |             |
|   | C04       | C03        | C02       | C11                 | C12                 | C13                          | C14 | C15 | C16 | C17 | C18 | C44   | C45       | C46 | C42      | C43, C40    |
| B07   | Condition | Test temp. | Direction | Re                  | Rm                  | A%                           | n   | r   | BH2 | BH0 | WH  | Test temp.  | Direction |     | KC1, ... | K           |
| Supplier entity                               |           |            |           | MPa                 | MPa                 | %                            |     |     | MPa | MPa | MPa |   |           |     | J        | J           |
| 25568700                                      |           | +20°C      | L         | 355 /<br>ReL<br>421 | 435 /<br>520<br>515 | 25 /<br>A5.65<br>27<br>A5.65 | /   | /   | /   | /   | /   | -20°C   | L         |     | /        | 186.4<br>Kv |

C02, C45 - Direction of the test piece in relation to the rolling direction (L = 0° - T = 90° - S = 45°)

C04 - Sample conditions (V = Aged - F = Fresh - N = Normalized - AR = As Rolled)

|   |   |   |  |  |
|---|---|---|--|--|
| A01<br><br>ArcelorMittal<br>ARCELORMITTAL ATLANTIQUE<br>RUE DU COMTE JEAN-GRANDE SYNTHE..<br>BP 2508<br>59381 DUNKERQUE CEDEX 1<br>FRANCE<br>ARCELORMITTAL ESP SSC<br>TWEET MOLENSTRAAT 8<br>2440 GEEL<br>014241510 014285274 | A03<br><b>N° 2107153 .2</b><br>Printout date 02/04/2020           | A08<br>Order No 291942/3<br>Creation date 10/12/2019              | A07<br>Cust. Ref. 1113497<br>Order's date 10/12/2019<br>Contract Nr. |  |
|   | OY KONTINO AB<br>HAKINTIE 6-8<br>PL 27<br>01380 VANTAA<br>FINLAND |   | A06.2<br>Destination   | OY KONTINO AB<br>HAKINTIE 6-8<br>01380 VANTAA<br>FINLAND |
|   | A06.3<br>Customer   | OY KONTINO AB<br>HAKINTIE 6-8<br>PL 27<br>01380 VANTAA<br>FINLAND |  | A09  |
| <b>Certificate</b>  |   | A02<br>3.1 / EN10204 + KV   |  |  |

| Surface characteristics |       |                 |
|-------------------------|-------|-----------------|
| B07                     | B07.2 |                 |
| Supplier entity         | Faces |                 |
| 7495596                 |       | No requirements |

|                       |                       |                                    |                         |  |
|-----------------------|-----------------------|------------------------------------|-------------------------|--|
| Controls carried out: | D01.1 - Visual : O.K. | D01.2 - Measurement control : O.K. | D01.3 - Stamping : O.K. |  |
|-----------------------|-----------------------|------------------------------------|-------------------------|--|

Z01 - We certify hereby that the above mentioned products are consistent with the order prescriptions.

Z02 - Values transmitted by :

ARCELORMITTAL ESP SSC  
Hans Vos  
Kwaliteitsdienst



Z02 - Values certified by :

ARCELORMITTAL  
ATLANTIQUE  
E. Hoogstoel

Z03 - STAMPING