

|                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                    |                              |                                             |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------|
| A01                                                                                                                                                                                                                 | A03 Doc nr.<br>2023080567 00                                                                                                                                                                                                                       |                              | A04                                         |  |
| Tata Steel IJmuiden BV<br><br>Wenckebachstraat 1<br>1951 JZ Velsen Noord<br>Postbus 10000<br>1970 CA IJmuiden The Netherlands<br><br>Company Trade Register 34040331<br>E-mail:<br>info.testing@tatasteeleurope.com | A02<br>Inspection certificate 3.1, EN10204.                                                                                                                                                                                                        |                              |                                             |                                                                                     |
|                                                                                                                                                                                                                     | A07, A09 Reference<br><br>4500092265<br>11019045<br><br>00010                                                                                                                                                                                      | A08 Order nr.<br><br>50740 A |                                             |                                                                                     |
| A06 Customer/Consignee<br><br>NAANTALI STEEL SERVICE CENTRE OY<br>RAUTAKATU 5<br><br>21110 NAANTALI<br>FINLAND                                                                                                      | B01,B02,B03,B04,B15<br>Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010.<br>1.00 G/M2/Side oiled.<br>Mill edges.<br>Impact test.<br>Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.16/-0.16 mm). |                              | C70<br>STEEL MAKING PROCESS: BO             |                                                                                     |
|                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                    |                              | B09,B10,B11 Dimensions<br>1500 mm X 6.00 mm |                                                                                     |
|                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                    |                              | B13 Total Mass KG<br>78040                  | B08 Total NR.<br>6                                                                  |
|                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                    |                              | A11 Dispatch Note<br>11490                  | A10 Transport<br>LAURIERBORG                                                        |

**Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant'**

C50

|                             |                         |                |                  |                  |                 |                |                   |             |             |             |             |
|-----------------------------|-------------------------|----------------|------------------|------------------|-----------------|----------------|-------------------|-------------|-------------|-------------|-------------|
| PROD-IDENT: 6005472         |                         | MASS KG: 13400 |                  | NR: 1            |                 | CAST NR: H3054 |                   | B07,B08,B13 |             |             |             |
| TENSILE TEST                |                         |                |                  |                  |                 |                |                   | C10-29      |             |             |             |
| C01                         | C01/C02                 | C10            | C03<br>Temp (°C) | C11<br>ReH (MPa) | C12<br>Rm (MPa) | C13<br>A (%)   | C16<br>ReH/Rm (%) |             |             |             |             |
| Bottom<br>Middle            | Surface<br>Longitudinal | Prismatical    | +20              | 422              | 500             | 30.0           | 84                |             |             |             |             |
| IMPACT TEST AND OTHER TESTS |                         |                |                  |                  |                 |                |                   | C40,C60,C65 |             |             |             |
| C01                         | C01/C02                 | C10            | C03<br>Temp °C   | B05              | C41<br>mm       | C40,C60,C65    | C44               | C42<br>ind. | C42<br>ind. | C42<br>ind. | C43<br>mean |
| Bottom<br>Middle            | Surface<br>Longitudinal | Prismatical    | -20              | 0                | 5.0             | ISO-V          | J                 | 117         | 115         | 109         | 114         |

|                             |                         |                |                  |                  |                 |                |                   |             |             |             |             |
|-----------------------------|-------------------------|----------------|------------------|------------------|-----------------|----------------|-------------------|-------------|-------------|-------------|-------------|
| PROD-IDENT: 6005471         |                         | MASS KG: 12800 |                  | NR: 1            |                 | CAST NR: H3054 |                   | B07,B08,B13 |             |             |             |
| TENSILE TEST                |                         |                |                  |                  |                 |                |                   | C10-29      |             |             |             |
| C01                         | C01/C02                 | C10            | C03<br>Temp (°C) | C11<br>ReH (MPa) | C12<br>Rm (MPa) | C13<br>A (%)   | C16<br>ReH/Rm (%) |             |             |             |             |
| Bottom<br>Middle            | Surface<br>Longitudinal | Prismatical    | +20              | 422              | 500             | 30.0           | 84                |             |             |             |             |
| IMPACT TEST AND OTHER TESTS |                         |                |                  |                  |                 |                |                   | C40,C60,C65 |             |             |             |
| C01                         | C01/C02                 | C10            | C03<br>Temp °C   | B05              | C41<br>mm       | C40,C60,C65    | C44               | C42<br>ind. | C42<br>ind. | C42<br>ind. | C43<br>mean |
| Bottom<br>Middle            | Surface<br>Longitudinal | Prismatical    | -20              | O                | 5.0             | ISO-V          | J                 | 117         | 115         | 109         | 114         |

|                             |                         |                |                  |                  |                 |                |                   |             |             |             |             |
|-----------------------------|-------------------------|----------------|------------------|------------------|-----------------|----------------|-------------------|-------------|-------------|-------------|-------------|
| PROD-IDENT: 6005462         |                         | MASS KG: 13680 |                  | NR: 1            |                 | CAST NR: K5806 |                   | B07,B08,B13 |             |             |             |
| TENSILE TEST                |                         |                |                  |                  |                 |                |                   | C10-29      |             |             |             |
| C01                         | C01/C02                 | C10            | C03<br>Temp (°C) | C11<br>ReH (MPa) | C12<br>Rm (MPa) | C13<br>A (%)   | C16<br>ReH/Rm (%) |             |             |             |             |
| Bottom<br>Middle            | Surface<br>Longitudinal | Prismatical    | +20              | 419              | 499             | 30.0           | 84                |             |             |             |             |
| IMPACT TEST AND OTHER TESTS |                         |                |                  |                  |                 |                |                   | C40,C60,C65 |             |             |             |
| C01                         | C01/C02                 | C10            | C03<br>Temp °C   | B05              | C41<br>mm       | C40,C60,C65    | C44               | C42<br>ind. | C42<br>ind. | C42<br>ind. | C43<br>mean |
| Bottom<br>Middle            | Surface<br>Longitudinal | Prismatical    | -20              | 0                | 5.0             | ISO-V          | J                 | 108         | 116         | 122         | 115         |

We hereby confirm that we comply to the terms of our order acknowledgement and any agreed concessions.

Tata Steel IJmuiden BV

Jeffrey Flemming  
General Manager

IJmuiden, 8 September 2023

Jeffrey Flemming

|                                                                                                                                                                                                                                                                                               |                                                                                          |                                             |                                      |
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| <div>A01</div> <div>Tata Steel IJmuiden BV</div> <div>Wenckebachstraat 1</div> <div>1951 JZ Velsen Noord</div> <div>Postbus 10000</div> <div>1970 CA IJmuiden The Netherlands</div> <div>Company Trade Register 34040331</div> <div>E-mail:</div> <div>info.testing@tatasteeleurope.com</div> | <div>A03 Doc nr.</div> <div>2023080567 00</div>                                          |                                             | <div>A04</div> <div>TATA STEEL</div> |
|                                                                                                                                                                                                                                                                                               | <div>A02</div> <div>Inspection certificate 3.1, EN10204.</div>                           |                                             |                                      |
|                                                                                                                                                                                                                                                                                               | <div>A07, A09 Reference</div> <div>4500092265</div> <div>11019045</div> <div>00010</div> | <div>A08 Order nr.</div> <div>50740 A</div> |                                      |

|                     |                |       |                |             |
|---------------------|----------------|-------|----------------|-------------|
| PROD-IDENT: 6005461 | MASS KG: 13080 | NR: 1 | CAST NR: K5806 | B07,B08,B13 |
|---------------------|----------------|-------|----------------|-------------|

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| TENSILE TEST | C10-29 |
|--------------|--------|

|                  |                         |             |                  |                  |                 |              |                   |  |
|------------------|-------------------------|-------------|------------------|------------------|-----------------|--------------|-------------------|--|
| C01              | C01/C02                 | C10         | C03<br>Temp (°C) | C11<br>ReH (MPa) | C12<br>Rm (MPa) | C13<br>A (%) | C16<br>ReH/Rm (%) |  |
| Bottom<br>Middle | Surface<br>Longitudinal | Prismatical | +20              | 419              | 499             | 30.0         | 84                |  |

|                             |             |
|-----------------------------|-------------|
| IMPACT TEST AND OTHER TESTS | C40,C60,C65 |
|-----------------------------|-------------|

|                  |                         |             |                |     |           |             |     |             |             |             |             |
|------------------|-------------------------|-------------|----------------|-----|-----------|-------------|-----|-------------|-------------|-------------|-------------|
| C01              | C01/C02                 | C10         | C03<br>Temp °C | B05 | C41<br>mm | C40,C60,C65 | C44 | C42<br>ind. | C42<br>ind. | C42<br>ind. | C43<br>mean |
| Bottom<br>Middle | Surface<br>Longitudinal | Prismatical | -20            | O   | 5.0       | ISO-V       | J   | 108         | 116         | 122         | 115         |

|                     |                |       |                |             |
|---------------------|----------------|-------|----------------|-------------|
| PROD-IDENT: 6005452 | MASS KG: 12840 | NR: 1 | CAST NR: F3413 | B07,B08,B13 |
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| TENSILE TEST | C10-29 |
|--------------|--------|

|               |                         |             |                  |                  |                 |              |                   |
|---------------|-------------------------|-------------|------------------|------------------|-----------------|--------------|-------------------|
| C01           | C01/C02                 | C10         | C03<br>Temp (°C) | C11<br>ReH (MPa) | C12<br>Rm (MPa) | C13<br>A (%) | C16<br>ReH/Rm (%) |
| Bottom Middle | Surface<br>Longitudinal | Prismatical | +20              | 372              | 460             | 31.0         | 81                |

|                     |                |       |                |             |
|---------------------|----------------|-------|----------------|-------------|
| PROD-IDENT: 6005451 | MASS KG: 12240 | NR: 1 | CAST NR: F3413 | B07,B08,B13 |
|---------------------|----------------|-------|----------------|-------------|

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| TENSILE TEST | C10-29 |
|--------------|--------|

|               |                         |             |                  |                  |                 |              |                   |
|---------------|-------------------------|-------------|------------------|------------------|-----------------|--------------|-------------------|
| C01           | C01/C02                 | C10         | C03<br>Temp (°C) | C11<br>ReH (MPa) | C12<br>Rm (MPa) | C13<br>A (%) | C16<br>ReH/Rm (%) |
| Bottom Middle | Surface<br>Longitudinal | Prismatical | +20              | 372              | 460             | 31.0         | 81                |

|                           |  |
|---------------------------|--|
| CHEMICAL COMPOSITION in % |  |
|---------------------------|--|

|              |       |        |       |       |        |        |        |        |        |        |        |
|--------------|-------|--------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| B07 CAST NR. | C71 C | C72 Mn | C73 P | C74 S | C75 Si | C76 Al | C77 Cu | C78 Cr | C79 Ni | C80 Mo | C81 Nb |
| H3054        | 0.070 | 0.999  | 0.013 | 0.005 | 0.009  | 0.039  | 0.008  | 0.016  | 0.017  | 0.002  | 0.025  |
| K5806        | 0.067 | 0.983  | 0.014 | 0.005 | 0.010  | 0.043  | 0.008  | 0.020  | 0.023  | 0.002  | 0.024  |
| F3413        | 0.064 | 0.474  | 0.020 | 0.004 | 0.015  | 0.040  | 0.022  | 0.022  | 0.006  | 0.000  | 0.024  |

|          |       |       |       |        |        |           |           |                              |
|----------|-------|-------|-------|--------|--------|-----------|-----------|------------------------------|
| CAST NR. | C82 V | C83 N | C84 B | C85 Ti | C86 Sn | C87 Al_ZO | C88 C-eq1 | B99 Country of Melt and Pour |
| H3054    | 0.002 | .0032 | .0001 | 0.001  | 0.001  | 0.038     | .242      | Netherlands                  |
| K5806    | 0.003 | .0036 | .0001 | 0.001  | 0.002  | 0.042     | .238      | Netherlands                  |
| F3413    | 0.001 | .0016 | .0002 | 0.001  | 0.002  | 0.035     | .150      | Brazil                       |

|                                                  |
|--------------------------------------------------|
| C-eq1: C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15 |
|--------------------------------------------------|

|                                                                                                                                                                                                                                                                             |                                                                                     |
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| We hereby confirm that we comply to the terms of our order acknowledgement and any agreed concessions.<br><br>Tata Steel IJmuiden BV<br><br>Jeffrey Flemming<br>General Manager<br>IJmuiden, 8 September 2023<br><br><div> <div>Page 2 of 2</div> <div>Z01,Z02</div> </div> |  |
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