

Material Certificate List

| Shipping Address | | Information | |
|---------------------------|--|------------------------|----------------------|
| Ship-to-party | TAMMINIITY OY KETJUTIE 4 27710 KUYLIJ FINLAND | Document Number | 80483135 |
| | | Delivery Date | 12.05.2021 |
| | | Sales Order Number | 153396 |
| | | Sales Order Date | 11.05.2021 |
| | | Purchase Order Number | 006573 |
| | | Customer Number | 201512 |
| | | Mode of Transportation | |
| | | Delivery Term | DAP EURA |
| | | Country of Origin | |
| | | Country of Destination | FI |
| | | From/Via | 35A1 |
| | | Route | R00000 |
| | | Delivery Plant | 35A1 |
| | | Certificate Receiver | myynti@tamminiity.fi |
| Buyer | | | |
| Sold to Party | TAMMINIITY OY KETJUTIE 4 27710 KUYLIJ FINLAND | | |
| Weight-Volume | | | |
| Total Gross Weight | 17.139,00 KG | | |
| Total Net Weight | 17.139,00 KG | | |
| Total Packages | 7 | | |

| Shipping Details | | | | | |
|------------------|---|-----------------|------------------|--------------------|-------------|
| Item | Material Description | Cust. Prod Code | Ordered Quantity | Delivered Quantity | Weight |
| 10 | 13002041 HRP,SHEET, 5.00X1500.00X3000.00 | 4010500 | 7.600,00 | 0,00 | 0,00 KG |
| Steel Grade | YMPRESS S355 MC | | | | |
| Batch | | Material ID | | | |
| 20 | 13001616 Hot Rolled Pickled,Sheet, 8.00X1500.00X3000.00 | 4010800 | 2.550,00 | 2.543,00 | 2.543,00 KG |
| Steel Grade | S355 | | | | |
| Batch | 0001208844 | Material ID | 607359 | | |
| 30 | 13001617 HRP,SHEET, 10.00X1500.00X3000.00 | 4011000 | 5.000,00 | 0,00 | 0,00 KG |
| Steel Grade | S355 | | | | |
| Batch | | Material ID | | | |
| 40 | 13001619 Hot Rolled Dry,Sheet, 15.00X1500.00X3000.00 | 4511500 | 2.120,00 | 2.120,00 | 2.120,00 KG |
| Steel Grade | S355 | | | | |
| Batch | 0001191713 | Material ID | 2957029 | | |
| 900001 | 13002041 Hot Rolled Pickled,Sheet, 5.00X1500.00X3000.00 | 4010500 | 7.600,00 | 2.510,00 | 2.510,00 KG |

Material Certificate List

| Information | |
|-----------------|------------|
| Document Number | 80483135 |
| Delivery Date | 12.05.2021 |

| Item | Material Description | Cust. Prod Code | Ordered Quantity | Delivered Quantity | Weight |
|----------------------|--|-----------------|------------------|--------------------|-------------|
| Steel Grade Batch | YMPRESS S355 MC 0001237693 | Material ID | 821542 | | |
| 900002 | 13002041 Hot Rolled Pickled,Sheet, 5.00X1500.00X3000.00 | 4010500 | 7.600,00 | 2.510,00 | 2.510,00 KG |
| Steel Grade Batch | YMPRESS S355 MC 0001237271 | Material ID | 821538 | | |
| 900003 | 13002041 Hot Rolled Pickled,Sheet, 5.00X1500.00X3000.00 | 4010500 | 7.600,00 | 2.510,00 | 2.510,00 KG |
| Steel Grade Batch | YMPRESS S355 MC 0001237695 | Material ID | 821542 | | |
| 900004 | 13001617 Hot Rolled Pickled,Sheet, 10.00X1500.00X3000.00 | 4011000 | 5.000,00 | 2.473,00 | 2.473,00 KG |
| Steel Grade Batch | S355 0001216506 | Material ID | 6068601 | | |
| 900005 | 13001617 Hot Rolled Pickled,Sheet, 10.00X1500.00X3000.00 | 4011000 | 5.000,00 | 2.473,00 | 2.473,00 KG |
| Steel Grade Batch | S355 0001216513 | Material ID | 6068601 | | |

Tata Steel IJmuiden BV
 Nenekebaanstrat 1
 Postbus 10000
 1970 GA IJmuiden The Netherlands
 Telephone: 0251-492110
 E-mail: info.tatasteel@tatasteel.com

MAANTALI
 5500001080/00
 5500001080/00
 001.002.005.104.1515
2021013505 00
 001 Dec. nr

Inspection certificate 3-1, EM1206.
 Hot rolled pickled, Coil, S555MC, YMPRESS WG S:01-2010.
 1.00 G/M2/Side oiled.
 Mill edges.
 Impact test.
 Suitable for: Part galvanising, Cutting into sheet.
 Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.18/-0.18 mm).
PRODUCE AND TEST ACCORDING TO EN 10149-2
 Country of melt and pour : The Netherlands.



57737 A
 1500 mm X 6.00 mm
 ALL Dispatch note: 74813
 A10 Transport: VAGRANT

| PROD.-IDENT | MASS kg | MR | MR CAST NR. | TENSILE TEST | | IMPACT TEST AND OTHER TESTS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------|---------|----|-------------|--------------------|-----------------------|-----------------------------|-----|---------|---------|---------------------|---------------------|---------------------|---------|---------|-----------------|-----------------|-----------------|---|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | | | R _m MPa | R _{p0.2} MPa | Temp °C | A % | ReH MPa | ReL MPa | R ₉₀ MPa | R ₉₀ MPa | R ₉₀ MPa | n-value | n-value | C ₁₇ | C ₁₆ | C ₁₅ | A | A | C ₁₈ | C ₁₇ | C ₁₆ | C ₁₅ | C ₁₄ | C ₁₃ | C ₁₂ | C ₁₁ | C ₁₀ | C ₉ | C ₈ | C ₇ | C ₆ | C ₅ | C ₄ | C ₃ | C ₂ | C ₁ | | | | | | | | | | | | | | | | | | |
| 607362 | 31880 | 1 | S0092 | 32 | IL P | + 20 | 395 | 478 | 29.0 | 83 | | | | | | | | | | IL P | 0 | 5.0 | ISO-V | - 20 | 2 | 114 | 116 | 124 | 118 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 607360 | 31860 | 1 | S0094 | 32 | IL P | + 20 | 395 | 489 | 28.5 | 81 | | | | | | | | | | IL P | 0 | 5.0 | ISO-V | - 20 | 2 | 113 | 135 | 114 | 121 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 607359 | 31920 | 1 | S0096 | 32 | IL P | + 20 | 385 | 476 | 31.5 | 81 | | | | | | | | | | IL P | 0 | 5.0 | ISO-V | - 20 | 2 | 117 | 112 | 123 | 117 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 95660 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

CHEMICAL COMPOSITION in %
 C: 0.064 - 0.074
 Mn: 0.979 - 0.987
 P: 0.011 - 0.014
 S: 0.004 - 0.006
 Si: 0.011 - 0.029
 Al: 0.037 - 0.044
 Cu: 0.008 - 0.009
 Cr: 0.022 - 0.026
 Ni: 0.019 - 0.021
 Mo: 0.002 - 0.002
 Nb: 0.024 - 0.026
 V: 0.002 - 0.002
 N: 0.0039 - 0.0040
 B: 0.0000 - 0.0000
 C-eq: 0.026 - 0.036
 AL-ZO: 0.028 - 0.028
 Sn: 0.001 - 0.001
 Ti: 0.001 - 0.001
 C-eq1: 0.245 - 0.255

| CAST NR. | C | | Mn | | P | | S | | Si | | Al | | Cu | | Cr | | Ni | | Mo | | Nb | | V | | N | | B | | C-eq | | AL-ZO | | Sn | | Ti | | C-eq1 | | | | | | | | | | | | | | | | | |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-------|-----|-----|-----|-----|-----|-------|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | | | | | | | | | | | | | | |
| S0092 | 0.074 | 0.987 | 0.011 | 0.014 | 0.004 | 0.011 | 0.037 | 0.008 | 0.022 | 0.019 | 0.002 | 0.026 | 0.002 | 0.002 | 0.0039 | 0.0000 | 0.028 | 0.001 | 0.001 | 0.245 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S0094 | 0.071 | 1.009 | 0.011 | 0.014 | 0.006 | 0.011 | 0.037 | 0.008 | 0.022 | 0.019 | 0.002 | 0.026 | 0.002 | 0.002 | 0.0040 | 0.0000 | 0.036 | 0.001 | 0.001 | 0.246 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S0096 | 0.064 | 0.979 | 0.011 | 0.014 | 0.004 | 0.011 | 0.029 | 0.008 | 0.024 | 0.019 | 0.002 | 0.021 | 0.003 | 0.003 | 0.0038 | 0.0000 | 0.028 | 0.002 | 0.001 | 0.235 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

C50 Buigproef/Bend test/Diageversuch/Test de flexion : goed/good/gut/concluant
 Stamp of the expert :

STEELMAKING PROCESS: 80 Page 1 of 1
 Tata Steel IJmuiden BV

JEFFREY FLEMING
 MGR. MECH. TESTING
 IJMUIDEN, 2 FEBRUARI 2021

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



| | | |
|---|---|---|
| A01 Tata Steel IJmuiden BV Wenkebachstraat 1 1951 JZ Velsen Noord Postbus 10000 1970 CA IJmuiden The Netherlands Telephone: 0251-492110 Company Trade Register 34040331 E-mail: info.testing@tatasteeleurope.com | A03 Doc nr. 2021014277 00 | A04 TATA STEEL |
| | A02 Inspection certificate 3.1, EN10204. | |
| A06 Customer/Consignee SERVICE CENTRE NAASTRICHT B.V. B.V. FEIJEN POSTBUS 10.000 1970 CA IJMUIDEN NOORDHOLLAND | A07, A09 Reference 4500035562 NAANTALI 11009846 00030 | A08 Order nr. 57493 C |
| | A01, B02, B03, B04, B15 Hot rolled dry, Coil, S355MC, YMPRESS WG S:01-2010. Mill edge. Inspect test. Suitable for: Part galvanizing, Cutting into sheet. Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.22/-0.22 mm). PRODUCE AND TEST ACCORDING TO EN 10149-2 Country of melt and pour: The Netherlands | |
| C70 STEEL MAKING PROCESS: BO | | B09, B10, B11 Dimensions 1500 mm X 15 mm |
| B13 Total Mass KG 31640 | | B08 Total NR. 1 |
| All Dispatch Nota 75974 | | A10 Transport ROSALIE |

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant' C50

PROD-IDENT: 2957029 MASS KG: 31640 NR: 1 CAST NR: S0505 B07, B08, B13

TENSILE TEST C10-29

| C01 | C01/C02 | C10 | C03 Temp (°C) | C11 Rp0.2 (MPa) | C12 Rm (MPa) | C13 A (%) | C16 Rp0.2/Rm (%) |
|------------------|-------------------------|-------------|------------------|--------------------|-----------------|--------------|---------------------|
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 395 | 529 | 27.0 | 75 |

IMPACT TEST AND OTHER TESTS C40, C60, C65

| C01 | C01/C02 | C10 | C03 Temp °C | B05 | C41 mm | C40, C60, C65 | C44 | C42 ind. | C42 ind. | C42 ind. | C43 mean |
|------------------|-------------------------|-------------|----------------|-----|-----------|---------------|-----|-------------|-------------|-------------|-------------|
| Bottom Middle | Surface Longitudinal | Prismatical | -20 | 0 | 10.0 | ISO-V | J | 319 | 315 | 335 | 323 |

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 |
|-----------------|----------|-----------|----------|-----------|-----------|--------------|--------------|-----------|-----------|-----------|-----------|
| S0505 | 0.057 | 1.315 | 0.013 | 0.004 | 0.011 | 0.040 | 0.008 | 0.021 | 0.018 | 0.003 | 0.034 |
| CAST NR. | C82 V | C83 N | C84 B | C85 Ti | C86 Sn | C87 Al_2O | C88 C-eq1 | | | | |
| S0505 | 0.002 | .0041 | .0000 | 0.001 | 0.001 | 0.037 | .283 | | | | |

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

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

Tata Steel IJmuiden BV

Jeffrey Flemming
Manager Mechanical Testing
IJmuiden, 4 February 2021

Jeffrey Flemming

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| | | | |
|--|--|--------------------------|--|
| A01 Tata Steel IJmuiden BV Wenckebachstraat 1 1951 JZ Velsen Noord Postbus 10000 1970 CA IJmuiden The Netherlands Telephone: 0251-492110 Company Trade Register 34040331 E-mail: info.testing@tatasteeleurope.com | A03 Doc nr. 2021027660 00 | | A04 TATA STEEL |
| | A02 Inspection certificate 3.1, EN10204. | | |
| A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 21110 NAANTALI FINLAND | A07, A09 Reference 4500035855 11001475 00010 | A08 Order nr. 57614 A | C70 STEEL MAKING PROCESS: BO B09,B10,B11 Dimensions 1500 mm X 5 mm B13 Total Mass KG 108005 B08 Total NR. 10 A11 Dispatch Note 85051 A10 Transport LINDBERG |
| | B01,B02,B03,B04,B15 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010, 1.00 G/M2/Side oiled, Mill edges, Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.15/-0.15 mm). Country of melt and pour: The Netherlands | | |

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant' C50

PROD-IDENT: 828163 MASS KG: 10301 NR: 1 CAST NR: S2659 B07,B08,B13

| TENSILE TEST | | | | | | | | C10-29 |
|---------------|-------------------------|-------------|-----------|-----------|----------|-------|------------|--------|
| C01 | C01/C02 | C10 | C03 | C11 | C12 | C13 | C16 | |
| | | | Temp (°C) | ReH (MPa) | Rm (MPa) | A (%) | ReH/Rm (%) | |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 396 | 476 | 34.5 | 83 | |

PROD-IDENT: 828162 MASS KG: 10311 NR: 1 CAST NR: S2659 B07,B08,B13

| TENSILE TEST | | | | | | | | C10-29 |
|---------------|-------------------------|-------------|-----------|-----------|----------|-------|------------|--------|
| C01 | C01/C02 | C10 | C03 | C11 | C12 | C13 | C16 | |
| | | | Temp (°C) | ReH (MPa) | Rm (MPa) | A (%) | ReH/Rm (%) | |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 396 | 476 | 34.5 | 83 | |

PROD-IDENT: 828161 MASS KG: 10051 NR: 1 CAST NR: S2659 B07,B08,B13

| TENSILE TEST | | | | | | | | C10-29 |
|---------------|-------------------------|-------------|-----------|-----------|----------|-------|------------|--------|
| C01 | C01/C02 | C10 | C03 | C11 | C12 | C13 | C16 | |
| | | | Temp (°C) | ReH (MPa) | Rm (MPa) | A (%) | ReH/Rm (%) | |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 391 | 473 | 34.5 | 83 | |

PROD-IDENT: 828160 MASS KG: 10291 NR: 1 CAST NR: S2659 B07,B08,B13

| TENSILE TEST | | | | | | | | C10-29 |
|---------------|-------------------------|-------------|-----------|-----------|----------|-------|------------|--------|
| C01 | C01/C02 | C10 | C03 | C11 | C12 | C13 | C16 | |
| | | | Temp (°C) | ReH (MPa) | Rm (MPa) | A (%) | ReH/Rm (%) | |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 391 | 473 | 34.5 | 83 | |

PROD-IDENT: 828159 MASS KG: 10301 NR: 1 CAST NR: S2659 B07,B08,B13

| TENSILE TEST | | | | | | | | C10-29 |
|---------------|-------------------------|-------------|-----------|-----------|----------|-------|------------|--------|
| C01 | C01/C02 | C10 | C03 | C11 | C12 | C13 | C16 | |
| | | | Temp (°C) | ReH (MPa) | Rm (MPa) | A (%) | ReH/Rm (%) | |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 391 | 473 | 34.5 | 83 | |

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

Tata Steel IJmuiden BV

Jeffrey Flemming
Manager Mechanical Testing
IJmuiden, 6 March 2021



| | | | |
|---|---|--------------------------|----------------------------------|
| A01 Tata Steel IJmuiden BV Wenckebachstraat 1 1951 JZ Velsen Noord Postbus 10000 1970 CA IJmuiden The Netherlands Telephone: 0251-492110 Company Trade Register 34040331 E-mail: info.testing@tatasteleurope.com | A03 Doc nr. 2021027660 00 | | A04 TATA STEEL |
| | A02 Inspection certificate 3.1, EN10204. | | |
| | A07, A09 Reference 4500035855 11001475 00010 | A08 Order nr. 57614 A | |

PROD-IDENT: 828158 MASS KG: 10041 NR: 1 CAST NR: S2657 B07,B08,B13

| TENSILE TEST | | | | | | | | C10-29 |
|---------------|-------------------------|-------------|-----------|-----------|----------|-------|------------|--------|
| C01 | C01/C02 | C10 | C03 | C11 | C12 | C13 | C16 | |
| | | | Temp (°C) | ReH (MPa) | Rm (MPa) | A (%) | ReH/Rm (%) | |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 370 | 461 | 35.5 | 80 | |

PROD-IDENT: 828157 MASS KG: 10291 NR: 1 CAST NR: S2657 B07,B08,B13

| TENSILE TEST | | | | | | | | C10-29 |
|---------------|-------------------------|-------------|-----------|-----------|----------|-------|------------|--------|
| C01 | C01/C02 | C10 | C03 | C11 | C12 | C13 | C16 | |
| | | | Temp (°C) | ReH (MPa) | Rm (MPa) | A (%) | ReH/Rm (%) | |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 370 | 461 | 35.5 | 80 | |

PROD-IDENT: 828155 MASS KG: 10301 NR: 1 CAST NR: S2657 B07,B08,B13

| TENSILE TEST | | | | | | | | C10-29 |
|---------------|-------------------------|-------------|-----------|-----------|----------|-------|------------|--------|
| C01 | C01/C02 | C10 | C03 | C11 | C12 | C13 | C16 | |
| | | | Temp (°C) | ReH (MPa) | Rm (MPa) | A (%) | ReH/Rm (%) | |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 370 | 461 | 35.5 | 80 | |

PROD-IDENT: 821543 MASS KG: 12869 NR: 1 CAST NR: S0538 B07,B08,B13

| TENSILE TEST | | | | | | | | C10-29 |
|---------------|-------------------------|-------------|-----------|-----------|----------|-------|------------|--------|
| C01 | C01/C02 | C10 | C03 | C11 | C12 | C13 | C16 | |
| | | | Temp (°C) | ReH (MPa) | Rm (MPa) | A (%) | ReH/Rm (%) | |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 382 | 468 | 35.0 | 82 | |

PROD-IDENT: 821542 MASS KG: 13248 NR: 1 CAST NR: S0538 B07,B08,B13

| TENSILE TEST | | | | | | | | C10-29 |
|---------------|-------------------------|-------------|-----------|-----------|----------|-------|------------|--------|
| C01 | C01/C02 | C10 | C03 | C11 | C12 | C13 | C16 | |
| | | | Temp (°C) | ReH (MPa) | Rm (MPa) | A (%) | ReH/Rm (%) | |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 382 | 468 | 35.0 | 82 | |


| 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 |
| S2659 | 0.069 | 0.490 | 0.010 | 0.006 | 0.007 | 0.033 | 0.005 | 0.017 | 0.017 | 0.001 | 0.027 |
| S2657 | 0.070 | 0.492 | 0.015 | 0.006 | 0.006 | 0.033 | 0.005 | 0.021 | 0.016 | 0.001 | 0.023 |
| S0538 | 0.080 | 0.509 | 0.012 | 0.006 | 0.008 | 0.029 | 0.006 | 0.026 | 0.017 | 0.002 | 0.024 |
| CAST NR. | C82 V | C83 N | C84 B | C85 Ti | C86 Sn | C87 Al_ZO | C88 C-eq1 | | | | |
| S2659 | 0.002 | .0028 | .0000 | 0.001 | 0.000 | 0.032 | .156 | | | | |
| S2657 | 0.002 | .0025 | .0000 | 0.001 | 0.001 | 0.031 | .158 | | | | |
| S0538 | 0.002 | .0032 | .0001 | 0.001 | 0.001 | 0.027 | .172 | | | | |

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

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

Tata Steel IJmuiden BV

Jeffrey Flemming
Manager Mechanical Testing



IJmuiden, 6 March 2021

| | | |
|--|--|---|
| A01 Tata Steel IJmuiden BV Wenckebachstraat 1 1951 JZ Velsen Noord Postbus 10000 1970 CA IJmuiden The Netherlands Telephone: 0251-492110 Company Trade Register 34040331 E-mail: info.testing@tatasteeleurope.com | A03 Doc nr. 2021027657 00 | A04 TATA STEEL |
| | A02 Inspection certificate 3,1, EN10204. A07, A09 Reference 4500034290 11001475 00010 A08 Order nr. 56496 A | |
| A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 21110 NAANTALI FINLAND | B01,B02,B03,B04,B15 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010, 1.00 G/M2/Side oiled, Mill edges. Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.15/-0.15 mm), Country of melt and pour: The Netherlands | C70 STEEL MAKING PROCESS: BO |
| | | B09,B10,B11 Dimensions 1500 mm X 5 mm B13 Total Mass KG 55551 B08 Total NR. 4 A11 Dispatch Note 85051 A10 Transport LINDBERG |

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant' C50

| | | | | | | | |
|--------------------|-------------------------|-------------|------------------|------------------|-----------------|--------------|-------------------|
| PROD-IDENT: 821538 | MASS KG: 12849 | NR: 1 | CAST NR: S0538 | B07,B08,B13 | | | |
| TENSILE TEST | | | | C10-29 | | | |
| C01 | C01/C02 | C10 | C03 Temp (°C) | C11 ReH (MPa) | C12 Rm (MPa) | C13 A (%) | C16 ReH/Rm (%) |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 388 | 465 | 28.5 | 83 |

| | | | | | | | |
|--------------------|-------------------------|-------------|------------------|------------------|-----------------|--------------|-------------------|
| PROD-IDENT: 821537 | MASS KG: 13208 | NR: 1 | CAST NR: S0538 | B07,B08,B13 | | | |
| TENSILE TEST | | | | C10-29 | | | |
| C01 | C01/C02 | C10 | C03 Temp (°C) | C11 ReH (MPa) | C12 Rm (MPa) | C13 A (%) | C16 ReH/Rm (%) |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 388 | 465 | 28.5 | 83 |

| | | | | | | | |
|--------------------|-------------------------|-------------|------------------|------------------|-----------------|--------------|-------------------|
| PROD-IDENT: 821536 | MASS KG: 14697 | NR: 1 | CAST NR: S0530 | B07,B08,B13 | | | |
| TENSILE TEST | | | | C10-29 | | | |
| C01 | C01/C02 | C10 | C03 Temp (°C) | C11 ReH (MPa) | C12 Rm (MPa) | C13 A (%) | C16 ReH/Rm (%) |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 396 | 474 | 34.0 | 84 |

| | | | | | | | |
|--------------------|-------------------------|-------------|------------------|------------------|-----------------|--------------|-------------------|
| PROD-IDENT: 819275 | MASS KG: 14797 | NR: 1 | CAST NR: S1177 | B07,B08,B13 | | | |
| TENSILE TEST | | | | C10-29 | | | |
| C01 | C01/C02 | C10 | C03 Temp (°C) | C11 ReH (MPa) | C12 Rm (MPa) | C13 A (%) | C16 ReH/Rm (%) |
| Bottom Middle | Surface Longitudinal | Prismatical | +20 | 389 | 469 | 34.5 | 83 |

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

Tata Steel IJmuiden BV

Jeffrey Flemming
Manager Mechanical Testing

Jeffrey Flemming

IJmuiden, 6 March 2021

| | | | |
|--|---|--------------------------|----------------------------------|
| A01 Tata Steel IJmuiden BV Wenckebachstraat 1 1951 JZ Velsen Noord Postbus 10000 1970 CA IJmuiden The Netherlands Telephone: 0251-492110 Company Trade Register 34040331 E-mail: info.testing@tatasteeleurope.com | A03 Doc nr. 2021027657 00 | | A04 TATA STEEL |
| | A02 Inspection certificate 3.1, EN10204. | | |
| | A07, A09 Reference 4500034290 11001475 00010 | A08 Order nr. 56496 A | |

| 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 | |
| S0538 | 0.080 | 0.509 | 0.012 | 0.006 | 0.008 | 0.029 | 0.006 | 0.026 | 0.017 | 0.002 | 0.024 | |
| S0530 | 0.074 | 0.512 | 0.012 | 0.007 | 0.008 | 0.036 | 0.009 | 0.022 | 0.016 | 0.001 | 0.026 | |
| S1177 | 0.070 | 0.487 | 0.019 | 0.006 | 0.006 | 0.025 | 0.005 | 0.021 | 0.018 | 0.001 | 0.025 | |
| CAST NR. | C82 V | C83 N | C84 B | C85 Ti | C86 Sn | C87 Al_ZO | C88 C-eq1 | | | | | |
| S0538 | 0.002 | .0032 | .0001 | 0.001 | 0.001 | 0.027 | .172 | | | | | |
| S0530 | 0.002 | .0031 | .0000 | 0.001 | 0.001 | 0.035 | .166 | | | | | |
| S1177 | 0.003 | .0022 | .0000 | 0.001 | 0.001 | 0.024 | .158 | | | | | |
| C-eq1: C + Mn/6 + (Cr + Mo + V) / 5 + (Ni + Cu) / 15 | | | | | | | | | | | | |

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

Tata Steel IJmuiden BV

Jeffrey Flemming
Manager Mechanical Testing



IJmuiden, 6 March 2021

TATA STEEL

407 Reference
 408 Order no. 56525 A
 409 Dispatch note 70367
 410 Transpart SEMPOST

411 Inspection certificate 3.1, EN10204.
 412 4500033649
 413 Dec. nr 2021009575 00

414 Customer/Compliment
 SERVICE CENTRE MAASTRICHT B.V.
 B. U. FEIJEN
 POSTBUS 10.000
 1970 CA IJUIDEN
 NOORDHOLLAND

415 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010.
 1.00 G/MZ/Side oiled.
 Mill edges.
 Impact test.

416 Suitable for: Part galvanising, Cutting into sheet.
 Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.19/-0.19 mm).
 PRODUCE AND TEST ACCORDING TO EN 10149-2
 Country of melt and pour : The Netherlands.

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| TENSILE TEST | | | | | | | | | | IMPACT TEST AND OTHER TESTS | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---------|-----------|-----------|------|------|-----|-----|-----|-----|-----------------------------|----------|----------|----------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| PROG. IDENT | MASS kg | NR | CAST NR. | SA1 | SA2 | SA3 | SA4 | SA5 | SA6 | SA7 | SA8 | SA9 | SA10 | SA11 | SA12 | SA13 | SA14 | SA15 | SA16 | SA17 | SA18 | SA19 | SA20 | SA21 | SA22 | SA23 | SA24 | SA25 | SA26 | SA27 | SA28 | SA29 | SA30 | SA31 | SA32 | |
| 1500 mm X 10.00 mm | | | | | | | | | | EN10204 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temp °C | Rm MPa | Rp0.2 MPa | Rp1.2 MPa | Rm % | A % | A % | A % | A % | A % | Rm/Rn % | r- value | r- value | n- value | Temp °C | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | | |
| + 20 | 399 | | | 490 | 30.5 | 81 | | | | | | | | - 20 | 2 | 195 | 201 | 195 | 197 | | | | | | | | | | | | | | | | | |
| + 20 | 378 | | | 481 | 30.0 | 79 | | | | | | | | - 20 | 2 | 211 | 188 | 212 | 204 | | | | | | | | | | | | | | | | | |
| + 20 | 385 | | | 484 | 30.5 | 80 | | | | | | | | - 20 | 2 | 207 | 211 | 150 | 189 | | | | | | | | | | | | | | | | | |
| TOTAL | | 87560 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

444 1: J/cm² 4: Contraction (%)
 2: J 5: Shear area (%)
 3: Later. exp. (mm)

454 C01 C02 C03 C04 C05 C06 C07 C08 C09 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20
 1:1:Top 2:1:Edge 3:Middle 4:Bottom
 1-Surface 2-Middle 3-Bottom
 C-eq1: C + Mn/6 + (Cr + Ni + V)/5 * (Mn + Cu)/15

457 STEELMAKING PROCESS: 80 Page 1 of 1

Stamp of the expert :
 Tata Steel IJmuiden BV

JEFFREY FLEMING
 MGR. MECH. TESTING
Jeffrey Fleming

IJMUIDEN, 25 JANUARI 2021

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

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