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|--|--|---|
| A01<br>Tata Steel IJmuiden BV<br>Wanckebachstraat 1<br>1951 JZ Velsen Noord<br>Postbus 10000<br>1970 CA IJmuiden The Netherlands<br>Telephone: 0251-492110<br>Company Trade Register 34040331<br>E-mail:<br>info.testing@tatasteeleurope.com | A03 Doc nr.<br>2021076470 00   | A04<br><b>TATA STEEL</b>                      |
|  | A02<br>Inspection certificate 3.1, EN10204.  |   |
| A06 Customer/Consignee<br>SERVICE CENTRE MAASTRICHT B.V.<br>B.U. FEIJEN<br>POSTBUS 10.000<br>1970 CA IJMUIDEN<br>NOORDHOLLAND  | A07, A09 Reference<br>5500001080 NAANTALI<br>11008863  | A08 Order nr.<br>57737 A                      |
|  | B01, B02, B03, B04, B15<br>Hot rolled pickled, Coil, #355MC, YMPRESS MG 9:01-2010.<br>1.00 g/m <sup>2</sup> /side oiled.<br>Mill edges.<br>Impact test.<br>Suitable for: Part galvanising, Cutting into sheet.<br>Tolerance EN 10051 : 2010 (R) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.18/-0.18 mm).<br>PRODUCE AND TEST ACCORDING TO EN 10149-2<br>Country of Melt and Pour : Netherlands |   |
|  |  | C70<br>STEEL MAKING PROCESS: BO               |
|  |  | B09, B10, B11 Dimensions<br>1500 mm X 8.00 mm |
|  |  | B13 Total Mass KG<br>63780                    |
|  |  | B08 Total NR.<br>2                            |
|  |  | A11 Dispatch Note<br>43492                    |
|  |  | A10 Transport<br>PROVOCATIO                   |

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

PROD-IDENT: 609871      MASS KG: 31900      NR: 1      CAST NR: S7412      B07, B08, B13

**TENSILE TEST** C10-29

| C01              | C01/C02                 | C10         | C03<br>Temp (°C) | C11<br>R <sub>eH</sub> (MPa) | C12<br>R <sub>m</sub> (MPa) | C13<br>A (%) | C16<br>R <sub>eH</sub> /R <sub>m</sub> (%) |
|------------------|-------------------------|-------------|------------------|------------------------------|-----------------------------|--------------|--|
| Bottom<br>Middle | Surface<br>Longitudinal | Prismatical | +20              | 427                          | 512                         | 30.5         | 83   |

**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   | 104         | 110         | 114         | 109         |

PROD-IDENT: 609870      MASS KG: 31880      NR: 1      CAST NR: S6536      B07, B08, B13

**TENSILE TEST** C10-29

| C01              | C01/C02                 | C10         | C03<br>Temp (°C) | C11<br>R <sub>eH</sub> (MPa) | C12<br>R <sub>m</sub> (MPa) | C13<br>A (%) | C16<br>R <sub>eH</sub> /R <sub>m</sub> (%) |
|------------------|-------------------------|-------------|------------------|------------------------------|-----------------------------|--------------|--|
| Bottom<br>Middle | Surface<br>Longitudinal | Prismatical | +20              | 406                          | 493                         | 30.5         | 82   |

**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   | 113         | 107         | 113         | 111         |

**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 |
|-----|----------|-------|--------|--------|--------|--------|----------------------|-----------|--------|--------|--------|--------|
|     | S7412    | 0.082 | 1.020  | 0.011  | 0.002  | 0.014  | 0.029                | 0.022     | 0.028  | 0.028  | 0.004  | 0.025  |
|     | S6536    | 0.068 | 0.991  | 0.010  | 0.008  | 0.007  | 0.029                | 0.021     | 0.025  | 0.030  | 0.005  | 0.023  |
|     | CAST NR. | C82 V | C83 N  | C84 B  | C85 Ti | C86 Sn | C87 Al <sub>20</sub> | C88 C-eq1 |        |        |        |        |
|     | S7412    | 0.003 | 0.0034 | 0.0000 | 0.002  | 0.002  | 0.028                | 0.262     |        |        |        |        |
|     | S6536    | 0.002 | 0.0033 | 0.0000 | 0.001  | 0.001  | 0.027                | 0.243     |        |        |        |        |

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, 5 July 2021

*Jeffrey Flemming*


 Purchase Order:  
4500032753  
Vendor Batch:  
609871

130016160001450424

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