

Z04

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 Henckebeststraat 1
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 1970 CA IJmuiden, The Netherlands
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 E-mail: info-testing@tatasteel-europe.com

AB2 Inspection certificate 3.1, EN10204,
 00040
 B01.B02.B05.B04.B15

AB3 Doc. nr.
 2020103700 00

AB4 Customer/consignor
 NAANTALI STEEL SERVICE CENTRE OY
 RAUTAKATU 5
 21110 NAANTALI
 FINLAND

AB5 Dispatch note
 52480

AB6 Order nr.
 53809 D

AB7 Reference
 4500031107
 11001477

AB8 Dimensions
 1500 mm X 6 mm

AB9 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010.
 1.00 G/M2/Side oiled.
 Mill edges.
 Impact test.
 Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.16/-0.16 mm).
 PRODUCE AND TEST ACCORDING TO EN 10149-2
 Country of melt and pour : The Netherlands.

| C07 PROD. IDENT | C08 MASS kg | C09 NR | C10 CAST NR. | TENSILE TEST | | | | | | | | | | IMPACT TEST AND OTHER TESTS | | | | | | | | | |
|--------------------|----------------|-----------|-----------------|----------------------------|---------------------------|------------------------------|------------|------------|--|-----------------------------|-----------------------------|------------|------------|-----------------------------|-----------|----------------|--------------------|------------------|------------|------------|------------|-------------------|--|
| | | | | C01 R _{EL} MPa | C02 R _m MPa | C03 R _{p0.2} MPa | C04 A % | C05 A % | C06 R _{eh} /R _m % | C07 r _m value | C08 n ⁻ value | C09 C52 | C10 C19 | C11 C18 | C12 mm | C13 Temp °C | C14 C40.C60.C65 | C15 ind. ind. | C16 C42 | C17 C42 | C18 C45 | C19 ASTM E-112 | |
| 795905 | 14857 | 1 | R6061 | 407 | 490 | 30.0 | 83 | 11 P | 0 | 5.1 | ISO-V | -20 | 2 | 102 | 103 | 104 | 103 | | | | | | |
| 795906 | 14108 | 1 | R6067 | 408 | 495 | 30.0 | 82 | 11 P | 0 | 5.1 | ISO-V | -20 | 2 | 113 | 101 | 112 | 109 | | | | | | |
| 795907 | 13408 | 1 | R6067 | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 42373 | 3 | | | | | | | | | | | | | | | | | | | | | |

| CHEMICAL COMPOSITION in % | | | | | | | | | | | | | | | | | | | | |
|---------------------------|--------------------|----------|-----------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|----------|-------------|--------------|-----------|-----------|--------------|
| C01 CAST NR. | C02 PROD. IDENT | C03 C | C04 Mn | C05 P | C06 S | C07 Si | C08 Al | C09 Cu | C10 Cr | C11 Ni | C12 Mo | C13 Nb | C14 V | C15 N | C16 B | C17 C-eq | C18 AI-Z0 | C19 Sn | C20 Ti | C21 C-eq1 |
| R6061 | | 0.71 | 0.963 | 0.011 | 0.004 | 0.010 | 0.028 | 0.11 | 0.018 | 0.016 | 0.001 | 0.022 | 0.002 | 0.0054 | 0.0000 | 0.026 | 0.001 | 0.001 | 0.001 | 0.238 |
| R6067 | | 0.71 | 1.018 | 0.015 | 0.004 | 0.009 | 0.024 | 0.10 | 0.024 | 0.021 | 0.002 | 0.021 | 0.003 | 0.0029 | 0.0000 | 0.023 | 0.001 | 0.001 | 0.001 | 0.249 |

C22 4: Contraction (%)
 5: Shear area (%)

C23 1: J/cm²
 2: J
 3: Later. exp. (mm)

C24 C01 C02 C03 C04 C05 C06 C07 C08 C09 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21
 1: Top 2: Edge 3: Surface 4: Centre 5: Middle 6: Bottom 7: Surface 8: Diagonal dir
 9: Prismatic 10: Cylindrical

C25 STEELMAKING PROCESS: B0 Page 1 of 1

C26 Stamp of the expert :
 Tata Steel IJmuiden BV

C27 JEFFREY FLEMING
 MGR. MECH. TESTING
Jeffrey Fleming

C28 IJMUIDEN, 14 NOVEMBER 2020

C29 Z01 We hereby confirm that we comply to the terms of our order
 acknowledgement and any agreed concessions