

24.01.18



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| Inspection certificate EN 10 204 - 3.1 | | A02 Issuing department Quality inspection | | A05 Purchaser order no LV3012644/1 | | A07 Our order no 149160-4 | | A08 Invoice no 2919071 | | A19 Certificate no and date 16873836 2017-10-20 | | SSAB EMEA AB, SE-781 84 BORLÅNGE, Sweden | | A01 | | | | |
| Purchaser ELME METALL LATVIA SIA KATLAKALNA 9 RIGA 1073 LETTLAND | | A11 23887 | | Product Hot rolled sheets | | B01 Marking Manufacturer, MATERIAL ID | | B06 Customer marks | | B15 | | B02 | | A03 | | | | |
| Quantity 18 | | B08 Dimensions [mm] T 10 W 1500 L 3000 | | B09-B11 Weight [kg] 6380 | | B12 Deliv. Cond. | | B04 Internal code | | B16 | | B02 | | A03 | | | | |
| Consignee ELME METALL LATVIA SIA KATLAKALNA 9 RIGA 1073 LETTLAND | | A06 SSAB | | Standard/rules Steel grade STRENX 700 MC D | | B07 | | | | | | | | | | | | |
| MATERIAL ID 21-4011-206807-02 , 21-4011-206807-03 , 21-4011-206807-04 | | | | | | | | | | | | | | | | | | |
| Chemical composition | | | | | | | | | | | | | | | | | | |
| Heat no 21-4011 | C .063 | Si .02 | Mn 1.61 | P 0.010 | S .001 | Cr .02 | Ni .04 | Mo 10 | V .01 | Ti .10 | Cu .01 | Al .050 | Nb .064 | B .0001 | N .007 | Cekv .39 | C71-C92 Carbon equivalent etc Cekv = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5 | C93-C99 |
| Testtype | C04 DMR262 | Millicode | C00 | Specimen position | C01 Top end | Direction | C02 Longitudinal | Treatment | B05 Delivery condition | C10 Specimen type | C03 Temp [degr C] | C03 Test results | | | | | | |
| Tensile test | DMR262 | | | Top end | Longitudinal | Longitudinal | Delivery condition | | Rectangular 380x40 | | | C11 *Reh [MPa] 723 | C12 Rm [MPa] 831 | C13 A5 [%] 20.0 | | | | |
| Impact test | DMR263 | | | Top end | Longitudinal | Longitudinal | Delivery condition | | Charpy-V 10x7.5 | | -20 | C42 E [J] 61 | C43 E [J] 65 | C44 Ave [J] 38 | C45 E [J] 54 | | | |
| Bend test | DMR264 | | | Top end | Transvers | Transvers | Delivery condition | | Rectangular 300x25 | | | C50 The test is satisfactory | | | | | | |
| No yield point extension Ae detected. Measured value for *ReH/ReL replaced by *Rp02 | | | | | | | | | | | | | | | | | | |
| Production time: 2017-09-28 | | | | | | | | | | | | | | | | | | |

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| This certificate is produced with EDP and valid without signature | | Z02 | |
| Material Testing / H Leu / M Eriksson / V Esbelani | | Z01 | |
| It is hereby certified that the material described above complies with the requirements of the order. | | Z01 | |
| A04 STRENX PERFORMANCE STEEL www.strenx.com | | A22 | |