

SSAB EMEA AB, SE-781 84 BORLÄNGE, Sweden

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| Inspection certificate EN 10 204 - 3.1 | A02 | Issuing department Quality inspection | A05 | Purchaser order no st#26786 | A07 | Our order no 794795-6 | A08 | Invoice no 2575571 | A19 | Certificate no and date 14745390 2014-03-20 | A03 |
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|--|-------|---|-----|---|---------|-------------------------------------|-----|----------------------------|-----------------------------|-----|
| Purchaser ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND | A11 | Product HR pickled wide strip in coils | B01 | Marking Manufacturer, MATERIAL ID | B06 | Standard/rules EN 10149-2 | B02 | | | |
| | 24574 | Quantity 1 | B08 | Dimensions [mm] T 10 W 1500 L 0 | B09-B11 | Weight [kg] 26400 | B12 | Deliv. Cond. B04 | Internal code B16 | |
| | | Consignee ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND | A06 | Customer marks | B15 | | | | | |
| MATERIAL ID 57-2745-541591 | | | | | | | | | | B07 |

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|---------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------|------------------|-----------------------|-------------------|-------------------|-------------------|------------------|--------------------|--|
| Chemical composition | | | | | | | | | | C71-C92 | Carbon equivalent etc | C93-C99 | | | | | |
| Heat no 57-2745 | C .072 | Si .01 | Mn .60 | P .009 | S .004 | Cr .03 | Ni .03 | Mo .00 | V .01 | Ti .00 | Cu .01 | Al .039 | Nb .034 | B .0001 | N .003 | Cekv .18 | $Cekv = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5$ |

| Testtype | C04 | Millcode | C00 | Specimen position | C01 | Direction | C02 | Treatment | B05 | Specimen type | C10 | Temp [degr C] | C03 | Test results | | | |
|--------------|--------|----------|--------------|--------------------|--------------------|-----------|-----|-----------|-----|---------------|-----|---------------|-----|--------------------------------------|------------------------|-----------------------|-----------------------|
| Tensile test | AYL818 | Top end | Longitudinal | Delivery condition | Rectangular 380x40 | | | | | | | | | C11 Reh [MPa] 398 | C12 Rm [MPa] 471 | C13 A5 [%] 31,5 | |
| Impact test | AYL819 | Top end | Longitudinal | Delivery condition | Charpy-V 10x7.5 | -20 | | | | | | | | C42 E [J] 185 | C42 E [J] 185 | C42 E [J] 182 | C43 Ave [J] 184 |
| Bend test | AYL820 | Top end | Transvers | Delivery condition | Rectangular 300x25 | | | | | | | | | C50 The_test_is satisfactory - | | | |

Production time: 2014-03-18

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| It is hereby certified that the material described above complies with the requirements of the order. | Z02 | This certificate is produced with EDP and valid without signature | Z01 | | A22 | | A04 |
| | | Material Testing/ L Smedh/ M Eriksson/ L Söderqvist | | | | | |