

Inspection certificate EN 10 204 - 3.1	A02	Issuing department Quality inspection	A05	Purchaser order no st#27188	A07	Our order no 799883-4	A08	Invoice no 2590739	A19	Certificate no and date 14845731 2014-05-20	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 6 W 1500 L 0	B09-B11	Weight [kg] 26760	B12	Deliv. Cond. B04	Internal code B16	
		Consignee ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND	A06	Customer marks	B15					
MATERIAL ID 60-8524-556418										B07

Chemical composition										C71-C92	Carbon equivalent etc	C93-C99					
Heat no 60-8524	C .066	Si .01	Mn .58	P .006	S .006	Cr .04	Ni .06	Mo .02	V .01	Ti .00	Cu .02	Al .033	Nb .031	B .0002	N .005	Cekv .18	Cekv = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5

Testtype	Millcode	Specimen position	Direction	Treatment	Specimen type	Temp [degr C]	Test results					
Tensile test	BBR059	Top end	Longitudinal	Delivery condition	Rectangular 380x40		C11 Reh [MPa] 410	C12 Rm [MPa] 472	C13 A5 [%] 40,5			
Impact test	BBR060	Top end	Longitudinal	Delivery condition	Charpy-V 10x5	-20	C42 E [J] 97	C42 E [J] 98	C42 E [J] 104	C43 Ave [J] 100		
Bend test	BBR061	Top end	Transvers	Delivery condition	Rectangular 300x25		C50 The_test_is satisfactory -					

Production time: 2014-05-18

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			