

SSAB EMEA AB, SE-781 84 BORLÄNGE, Sweden

Inspection certificate EN 10 204 - 3.1	A02	Issuing department Quality inspection	A05	Purchaser order no st#26838	A07	Our order no 795641-7	A08	Invoice no 2578485	A19	Certificate no and date 14761883 2014-04-01	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 8 W 1500 L 0	B09-B11	Weight [kg] 27240	B12	Deliv. Cond. B04	Internal code B16
		Consignee ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND	A06	Customer marks B15					
MATERIAL ID 57-2935-544582							B07		

Chemical composition										C71-C92	Carbon equivalent etc	C93-C99					
Heat no 57-2935	C .068	Si .01	Mn .60	P .010	S .004	Cr .03	Ni .03	Mo .00	V .01	Ti .00	Cu .01	Al .044	Nb .037	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		AYU086		Top end		Longitudinal		Delivery condition		Rectangular 380x40				C11 Reh [MPa] 395	C12 Rm [MPa] 477	C13 A5 [%] 32,0	
Impact test		AYU087		Top end		Longitudinal		Delivery condition		Charpy-V 10x7.5		-20		C42 E [J] 198	C42 E [J] 198	C42 E [J] 197	C43 Ave [J] 198
Bend test		AYU088		Top end		Transvers		Delivery condition		Rectangular 300x25				C50 The_test_is satisfactory -			

Production time: 2014-03-27

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			