

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#27188	A07	Our order no 799883-5	A08	Invoice no 2588635	A19	Certificate no and date 14832685 2014-05-12	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] 12690	B12	Deliv. Cond. B04	Internal code B16
		Consignee ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND	A06	Customer marks	B15				
MATERIAL ID 60-8490-554347							B07		

Chemical composition										C71-C92	Carbon equivalent etc	C93-C99					
Heat no 60-8490	C .065	Si .02	Mn .60	P .006	S .002	Cr .05	Ni .05	Mo .02	V .01	Ti .00	Cu .01	Al .035	Nb .033	B .0002	N .007	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	BBE482	Top end	Longitudinal	Delivery condition	Rectangular 380x40									C11 Reh [MPa] 410	C12 Rm [MPa] 477	C13 A5 [%] 30,0	
Impact test	BBE483	Top end	Longitudinal	Delivery condition	Charpy-V 10x7.5	-20								C42 E [J] 167	C42 E [J] 186	C42 E [J] 204	C43 Ave [J] 186
Bend test	BBE484	Top end	Transvers	Delivery condition	Rectangular 300x25									C50 The_test_is satisfactory -			

Production time: 2014-05-12

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			