

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#27570_O761	A07	Our order no 803534-3	A08	Invoice no 2595093	A19	Certificate no and date 14873030 2014-06-06	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 2	B08	Dimensions [mm] T 8 W 1500 L 0	B09-B11	Weight [kg] 27270	B12	Deliv. Cond. B04	Internal code B16	
		Consignee ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND	A06	Customer marks	B15					
MATERIAL ID 57-4555-563485A , 57-4555-563485B										B07

Chemical composition										C71-C92	Carbon equivalent etc	C93-C99					
Heat no 57-4555	C .070	Si .01	Mn .60	P .011	S .003	Cr .02	Ni .04	Mo .00	V .01	Ti .00	Cu .01	Al .045	Nb .036	B .0001	N .004	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	BCH583	Top end	Longitudinal	Delivery condition	Rectangular	380x40								C11 Reh [MPa] 386	C12 Rm [MPa] 471	C13 A5 [%] 35,5	
Impact test	BCH584	Top end	Longitudinal	Delivery condition	Charpy-V	10x7.5	-20							C42 E [J] 217	C42 E [J] 206	C42 E [J] 222	C43 Ave [J] 215
Bend test	BCH585	Top end	Transvers	Delivery condition	Rectangular	300x25								C50 The_test_is satisfactory -			

Production time: 2014-06-04

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			