

SSAB EMEA AB, SE-781 84 BORLÄNGE, Sweden

<b>Inspection certificate</b> EN 10 204 - 3.1	A02	<b>Issuing department</b> Quality inspection	A05	<b>Purchaser order no</b> st#27287	A07	<b>Our order no</b> 800844-3	A08	<b>Invoice no</b> 2596134	A19	<b>Certificate no and date</b> 14881344 2014-06-11	A03
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<b>Purchaser</b> ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND	A11	<b>Product</b> HR pickled wide strip in coils	B01	<b>Marking</b> Manufacturer, MATERIAL ID	B06	<b>Standard/rules</b> EN 10149-2	B02		
	24574	<b>Quantity</b> 1	B08	<b>Dimensions [mm]</b> T 8 W 1500 L 0	B09-B11	<b>Weight [kg]</b> 26420	B12	<b>Deliv. Cond.</b> B04	<b>Internal code</b> B16
		<b>Consignee</b> ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND	A06	<b>Customer marks</b> B15					
<b>MATERIAL ID</b> 60-8528-556819							B07		

Chemical composition										C71-C92	Carbon equivalent etc	C93-C99					
<b>Heat no</b> 60-8528	<b>C</b> .066	<b>Si</b> .01	<b>Mn</b> .56	<b>P</b> .007	<b>S</b> .006	<b>Cr</b> .06	<b>Ni</b> .05	<b>Mo</b> .02	<b>V</b> .01	<b>Ti</b> .00	<b>Cu</b> .01	<b>Al</b> .032	<b>Nb</b> .034	<b>B</b> .0002	<b>N</b> .005	<b>Cekv</b> .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	BBR149	Top end	Longitudinal	Delivery condition	Rectangular 380x40		C11 Reh [MPa] <b>371</b>	C12 Rm [MPa] <b>446</b>	C13 A5 [%] <b>32,0</b>			
Impact test	BBR150	Top end	Longitudinal	Delivery condition	Charpy-V 10x7.5	-20	C42 E [J] <b>184</b>	C42 E [J] <b>188</b>	C42 E [J] <b>200</b>	C43 Ave [J] <b>191</b>		
Bend test	BBR151	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			