

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#29658	A07	Our order no 826360-1	A08	Invoice no 2652293	A19	Certificate no and date 15261700 2015-02-11	A03
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Purchaser ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND	A11	Product HR pickl. wide strip in sheets	B01	Marking Manufacturer, MATERIAL ID	B06	Standard/rules SSAB Steel grade	B02			
	24574	Quantity 119	B08	Dimensions [mm] T 6 W 1500 L 3000	B09-B11	Weight [kg] 25500	B12	Deliv. Cond. B04	Internal code DOMEX 355 MC D	B16
	Consignee ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND				A06	Customer marks		B15		

MATERIAL ID B07
60-9452-628174-01 , 60-9452-628174-02 , 60-9452-628174-03 , 60-9452-628174-04 , 60-9452-628174-05 , 60-9452-628174-06 , 60-9452-628174-07 , 60-9452-628174-08 , 60-9452-628174-09 , 60-9452-628174-10 , 60-9452-628174-11

Chemical composition										C71-C92	Carbon equivalent etc	C93-C99					
Heat no 60-9452	C .056	Si .01	Mn .60	P .005	S .002	Cr .04	Ni .06	Mo .01	V .01	Ti .00	Cu .02	Al .040	Nb .026	B .0002	N .005	Cekv .17	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	BNW223	Top end	Longitudinal	Delivery condition	Rectangular 380x40		C11 Reh [MPa] 389	C12 Rm [MPa] 472	C13 A5 [%] 35.5			
Impact test	BNW224	Top end	Longitudinal	Delivery condition	Charpy-V 10x5	-20	C42 E [J] 118	C42 E [J] 119	C42 E [J] 122	C43 Ave [J] 119		
Bend test	BNW225	Top end	Transvers	Delivery condition	Rectangular 300x25		C50 The_test_is satisfactory -					

Production time: 2015-02-11

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			