

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#26750	A07	Our order no 794053-6	A08	Invoice no 2574643	A19	Certificate no and date 14740910 2014-03-18	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	Steel grade S355MCD EN 10149-2			
	24574	Quantity	B08	Dimensions [mm] T 8 W 1500 L 0	B09-B11	Weight [kg] 24920	B12	Deliv. Cond.	B04	Internal code	B16
		1									
		Consignee ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND	A06	Customer marks							B15
MATERIAL ID 60-8338-539625											B07

Chemical composition										C71-C92	Carbon equivalent etc	C93-C99					
Heat no 60-8338	C	Si	Mn	P	S	Cr	Ni	Mo	V	Ti	Cu	Al	Nb	B	N	Cekv	Cekv = C + Mn/6 + (Ni + Cu)/15 + (Cr + Mo + V)/5
	.065	.01	.60	.006	.003	.05	.07	.02	.01	.00	.01	.039	.033	.0002	.004	.19	

Testtype	C04	Millcode	C00	Specimen position	C01	Direction	C02	Treatment	B05	Specimen type	C10	Temp [degr C]	C03	Test results			
Tensile test		AYC345		Top end		Longitudinal		Delivery condition		Rectangular 380x40				C11 Reh [MPa] 377	C12 Rm [MPa] 449	C13 A5 [%] 34,0	
Impact test		AYC346		Top end		Longitudinal		Delivery condition		Charpy-V 10x7.5		-20		C42 E [J] 201	C42 E [J] 191	C42 E [J] 199	C43 Ave [J] 197
Bend test		AYC347		Top end		Transvers		Delivery condition		Rectangular 300x25				C50 The_test_is satisfactory -			

Production time: 2014-03-16

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			