

Inspection certificate EN 10 204 - 3.1	A02	Issuing department Quality inspection	A05	Purchaser order no st#28827	A07	Our order no 817984-4	A08	Invoice no 2629817	A19	Certificate no and date 15117849 2014-11-04	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 6 W 1500 L 0	B09-B11	Weight [kg] 24050	B12	Deliv. Cond. B04	Internal code B16	
		Consignee ALUSTEEL OY AB TELAKKATIE 4 FI-23500 UUSIKAUPUNKI FINLAND	A06	Customer marks	B15					
MATERIAL ID 29-3095-603112										B07

Chemical composition										C71-C92	Carbon equivalent etc	C93-C99						
Heat no 29-3095	C .070	Si .01	Mn .60	P .011	S .003	Cr .02	Ni .03	Mo .00	V .02	Ti .00	Cu .01	Al .041	Nb .037	B .0001	N .003	Cekv .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	BJL345	Top end	Longitudinal	Delivery condition	Rectangular 380x40		C11 Reh [MPa] 437	C12 Rm [MPa] 513	C13 A5 [%] 33,0		
Impact test	BJL346	Top end	Longitudinal	Delivery condition	Charpy-V 10x5	-20	C42 E [J] 107	C42 E [J] 94	C42 E [J] 93	C43 Ave [J] 97	
Bend test	BJL347	Top end	Transvers	Delivery condition	Rectangular 300x25		C50 The test is satisfactory				

Production time: 2014-10-30

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			