

A01 Tata Steel IJmuiden BV Wenckebachstraat 1 1951 JZ Velsen Noord Postbus 10000 1970 CA IJmuiden The Netherlands Telephone: 0251-492110 Company Trade Register 34040331 E-mail: info.testing@tatasteeleurope.com	A03 Doc nr. 2021088405 00	A04 TATA STEEL
	A02 Inspection certificate 3.1, EN10204.	
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 21110 NAANTALI FINLAND	A07, A09 Reference 4500043673 11001477 00040	A08 Order nr. 53440 D
	B01, B02, B03, B04, B15 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010, 1.00 G/M2/Side oiled, Mill edges Impact test: Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0,16/-0,16 mm). Country of Melt and Pour : Netherlands	
		C70 STEEL MAKING PROCESS: BO
		B09, B10, B11 Dimensions 1500 mm X 6 mm
		B13 Total Mass KG 28894
		B08 Total NR. 2
		All Dispatch Note 53392
		A10 Transport SYDBORG

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant'

C50

PROD-IDENT: 866897	MASS KG: 14287	NR: 1	CAST NR: W0593	B07, B08, B13
TENSILE TEST				C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 ReH (MPa)	C12 Rm (MPa)	C13 A (%)	C16 ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	400	484	30.0	83

IMPACT TEST AND OTHER TESTS												C40, C60, C65
C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40, C60, C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean	
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	5.0	ISO-V	J	107	119	108	111	

PROD-IDENT: 866896	MASS KG: 14607	NR: 1	CAST NR: W0593	B07, B08, B13
TENSILE TEST				C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 ReH (MPa)	C12 Rm (MPa)	C13 A (%)	C16 ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	400	484	30.0	83

IMPACT TEST AND OTHER TESTS												C40, C60, C65
C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40, C60, C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean	
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	5.0	ISO-V	J	107	119	108	111	

CHEMICAL COMPOSITION in %												
B07 CAST NR.	C71 C	C72 Mn	C73 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb	
W0593	0.072	0.996	0.012	0.007	0.011	0.048	0.021	0.027	0.026	0.005	0.024	
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1					
W0593	0.003	0.0037	0.0000	0.001	0.002	0.047	248					

C-eq1: C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15

We hereby confirm that we comply to the terms of our order acknowledgement and any agreed concessions.

Tata Steel IJmuiden BV

Jeffrey Flemming
Manager Mechanical Testing
IJmuiden, 6 August 2021

Jeffrey Flemming