

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. 2021088412 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 4500045202 11001464 00020	A08 Order nr. 54883 B
	B01,B02,B03,B04,B15 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010, 1,00 G/M2/Side oiled, Mill edges. Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness : tolerance +0,13/-0,13 mm). PRODUCE AND TEST ACCORDING TO EN 10149-2 Country of Melt and Pour : Netherlands	
		C70 STEEL MAKING PROCESS: BO
		B09,B10,B11 Dimensions 1500 mm X 3.00 mm
		B13 Total Mass KG 52624
		B08 Total NR. 4
		A11 Dispatch Note 53392
		A10 Transport SYDBORG

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant' c50

PROD-IDENT: 866697	MASS KG: 12239	NR: 1	CAST NR: S8093	B07,B08,B13
TENSILE TEST C10-29				
C01	C01/C02	C10	C03	C11
			Temp (°C)	ReH (MPa)
Bottom Middle	Surface Longitudinal	Prismatical	+20	416
				Rm (MPa)
				490
				A (%)
				35.5
				ReH/Rm (%)
				85

PROD-IDENT: 866696	MASS KG: 12549	NR: 1	CAST NR: S8093	B07,B08,B13
TENSILE TEST C10-29				
C01	C01/C02	C10	C03	C11
			Temp (°C)	ReH (MPa)
Bottom Middle	Surface Longitudinal	Prismatical	+20	416
				Rm (MPa)
				490
				A (%)
				35,5
				ReH/Rm (%)
				85

PROD-IDENT: 866344A	MASS KG: 13818	NR: 1	CAST NR: S8328	B07,B08,B13
TENSILE TEST C10-29				
C01	C01/C02	C10	C03	C11
			Temp (°C)	ReH (MPa)
Bottom Middle	Surface Longitudinal	Prismatical	+20	403
				Rm (MPa)
				484
				A (%)
				35.0
				ReH/Rm (%)
				83

PROD-IDENT: 866343	MASS KG: 14018	NR: 1	CAST NR: S8328	B07,B08,B13
TENSILE TEST C10-29				
C01	C01/C02	C10	C03	C11
			Temp (°C)	ReH (MPa)
Bottom Middle	Surface Longitudinal	Prismatical	+20	403
				Rm (MPa)
				484
				A (%)
				35.0
				ReH/Rm (%)
				83

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
S8093	0.072	0.501	0.009	0.006	0.008	0.038	0.027	0.038	0.032	0.007	0.026
S8328	0.069	0.508	0.013	0.006	0.007	0.031	0.035	0.040	0.035	0.006	0.025
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1				
S8093	0.002	.0031	.0000	0.001	0.002	0.036	.169				
S8328	0.002	.0028	.0000	0.001	0.002	0.030	.168				

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

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