

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@tatasteel.eu	A03 Doc nr. 2021075874 00		A04  <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.		
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5  21110 NAANTALI FINLAND	A07, A09 Reference 4500045202 11001473	A08 Order nr. 54883 C	C70 STEEL MAKING PROCESS: BO B09,B10,B11 Dimensions 1500 mm X 4 mm B13 Total Mass KG 40434 B08 Total NR. 4 A11 Dispatch Note 43733 A10 Transport RUYTER
	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 +0.14/-0.14 mm). Country of Melt and Pour : Netherlands		

Buigproef/Bend test/Biegeversuch/Test de flexion : 'goed/good/gut/concluant' C50

PROD-IDENT: 861578 MASS KG: 9851 NR: 1 CAST NR: S9904 B07,B08,B13

TENSILE TEST C10-29							
C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	401	493	34.0	81

PROD-IDENT: 861577 MASS KG: 10261 NR: 1 CAST NR: S9904 B07,B08,B13

TENSILE TEST C10-29							
C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	401	493	34.0	81

PROD-IDENT: 861417A MASS KG: 10011 NR: 1 CAST NR: S9899 B07,B08,B13

TENSILE TEST C10-29							
C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	394	482	34.0	82

PROD-IDENT: 861416 MASS KG: 10311 NR: 1 CAST NR: S9899 B07,B08,B13

TENSILE TEST C10-29							
C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	394	482	34.0	82

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
S9904	0.074	0.512	0.018	0.006	0.010	0.032	0.024	0.039	0.032	0.005	0.025
S9899	0.069	0.500	0.012	0.005	0.008	0.032	0.025	0.030	0.029	0.003	0.026
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1				
S9904	0.005	.0032	.0000	0.001	0.002	0.031	.173				
S9899	0.002	.0039	.0000	0.001	0.002	0.031	.163				

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, 2 July 2021

*Jeffrey Flemming*

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