

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. 2021075869 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 11001464 00020	A08 Order nr. 53440 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 (B) (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 60946		B08 Total NR. 6
A11 Dispatch Note 43733		A10 Transport RUYTER

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

PROD-IDENT: 861698 MASS KG: 10231 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	398	495	34.0	80

PROD-IDENT: 861697 MASS KG: 10011 NR: 1 CAST NR: S9907 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	402	493	34.0	82

PROD-IDENT: 861696 MASS KG: 10251 NR: 1 CAST NR: S9907 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	402	493	34.0	82

PROD-IDENT: 861695 MASS KG: 10281 NR: 1 CAST NR: S9907 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	402	493	34.0	82

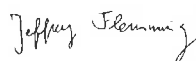
PROD-IDENT: 861589 MASS KG: 10311 NR: 1 CAST NR: S9903 B07, B08, B13


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	485	34.0	83

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



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PROD-IDENT: 861337 **MASS KG: 9861** **NR: 1** **CAST NR: S9901** **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	390	482	34.5	81	

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	
	S9907	0.075		0.512		0.020		0.006		0.008		0.033		0.030		0.038		0.030		0.004		0.025	
	S9903	0.065		0.499		0.012		0.006		0.009		0.032		0.038		0.033		0.032		0.004		0.026	
	S9901	0.070		0.514		0.013		0.006		0.012		0.025		0.031		0.034		0.034		0.004		0.022	
	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									
	S9907	0.003		.0029		.0000		0.001		0.001		0.030		.173									
	S9903	0.002		.0038		.0000		0.001		0.002		0.031		.161									
	S9901	0.003		.0029		.0000		0.001		0.002		0.024		.168									

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

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