

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. 2021075863 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 4500043398 11001475  00010	A08 Order nr. 53133 A	C70 STEEL MAKING PROCESS: BO	
	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 +0,15/-0,15 mm). Country of Melt and Pour : Netherlands		B09,B10,B11 Dimensions 1500 mm X 5 mm	B13 Total Mass KG 73475
			A11 Dispatch Note 43733	A10 Transport RUYTER

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

PROD-IDENT: 861681      MASS KG: 10291      NR: 1      CAST NR: S9905      B07,B08,B13

TENSILE TEST								C10-29
C01	C01/C02	C10	C03	C11	C12	C13	C16	
	Surface Longitudinal	Prismatical	Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)	
Bottom Middle			+20	389	467	31.5	83	

PROD-IDENT: 860932      MASS KG: 11779      NR: 1      CAST NR: S9904      B07,B08,B13

TENSILE TEST								C10-29
C01	C01/C02	C10	C03	C11	C12	C13	C16	
	Surface Longitudinal	Prismatical	Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)	
Bottom Middle			+20	400	481	31.0	83	

PROD-IDENT: 860931      MASS KG: 11640      NR: 1      CAST NR: S9904      B07,B08,B13

TENSILE TEST								C10-29
C01	C01/C02	C10	C03	C11	C12	C13	C16	
	Surface Longitudinal	Prismatical	Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)	
Bottom Middle			+20	400	481	31.0	83	

PROD-IDENT: 860655      MASS KG: 13478      NR: 1      CAST NR: S9911      B07,B08,B13

TENSILE TEST								C10-29
C01	C01/C02	C10	C03	C11	C12	C13	C16	
	Surface Longitudinal	Prismatical	Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)	
Bottom Middle			+20	391	470	31.0	83	

PROD-IDENT: 860654      MASS KG: 13508      NR: 1      CAST NR: S9911      B07,B08,B13

TENSILE TEST								C10-29
C01	C01/C02	C10	C03	C11	C12	C13	C16	
	Surface Longitudinal	Prismatical	Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)	
Bottom Middle			+20	391	470	31.0	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

*Jeffrey Flemming*

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	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 4500043398 11001475 00010	A08 Order nr. 53133 A	

PROD-IDENT: 860554      MASS KG: 12779      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	396	480	30.5	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
	S9905		0.069		0.492		0.013		0.006		0.011		0.032		0.027		0.035		0.029		0.005		0.025
	S9904		0.074		0.512		0.018		0.006		0.010		0.032		0.024		0.039		0.032		0.005		0.025
	S9911		0.066		0.497		0.013		0.006		0.009		0.026		0.030		0.033		0.033		0.004		0.025
	CAST NR.	C82	V	C83	N	C84	B	C85	Ti	C86	Sn	C87	Al_ZO	C88	C-eq1								
	S9905		0.003		.0027		.0000		0.001		0.002		0.031		.163								
	S9904		0.005		.0032		.0000		0.001		0.002		0.031		.173								
	S9911		0.003		.0030		.0000		0.001		0.002		0.025		.161								

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

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