

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. 2021075869 00		A04  <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 4500043673 11001464 00020	A08 Order nr. 53440 B	
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5  21110 NAANTALI FINLAND	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 <b>STEEL MAKING PROCESS: BO</b>
	B09,B10,B11 Dimensions 1500 mm X 3.00 mm		B13 Total Mass KG 60946
			B08 Total NR. 6
			A10 Transport RUYTER
		A11 Dispatch Note 43733	

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
			Temp (°C)	ReH (MPa)
Bottom Middle	Surface Longitudinal	Prismatical	+20	398
				C12
				Rm (MPa)
				495
				C13
				A (%)
				34.0
				C16
				ReH/Rm (%)
				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
			Temp (°C)	ReH (MPa)
Bottom Middle	Surface Longitudinal	Prismatical	+20	402
				C12
				Rm (MPa)
				493
				C13
				A (%)
				34.0
				C16
				ReH/Rm (%)
				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
			Temp (°C)	ReH (MPa)
Bottom Middle	Surface Longitudinal	Prismatical	+20	402
				C12
				Rm (MPa)
				493
				C13
				A (%)
				34.0
				C16
				ReH/Rm (%)
				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
			Temp (°C)	ReH (MPa)
Bottom Middle	Surface Longitudinal	Prismatical	+20	402
				C12
				Rm (MPa)
				493
				C13
				A (%)
				34.0
				C16
				ReH/Rm (%)
				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
			Temp (°C)	ReH (MPa)
Bottom Middle	Surface Longitudinal	Prismatical	+20	401
				C12
				Rm (MPa)
				485
				C13
				A (%)
				34.0
				C16
				ReH/Rm (%)
				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

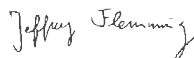
TENSILE TEST								C10-29
C01	C01/C02	C10	C03	C11	C12	C13	C16	
Bottom Middle	Surface Longitudinal	Prismatical	Temp (°C) +20	ReH (MPa) 390	Rm (MPa) 482	A (%) 34.5	ReH/Rm (%) 81	

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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