

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. 2021075873 00		A04  <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 4500044531 11001464 00020	A08 Order nr. 54422 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 (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 <b>STEEL MAKING PROCESS: BO</b>
	B09, B10, B11 Dimensions 1500 mm X 3.00 mm		
	B13 Total Mass KG 71157	B08 Total NR. 7	
	All Dispatch Note 43733	A10 Transport RUYTER	

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

PROD-IDENT: 861801	MASS KG: 10131	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	396	481	36.5	82

PROD-IDENT: 861800	MASS KG: 10231	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	396	481	36.5	82

PROD-IDENT: 861799	MASS KG: 10241	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	396	481	36.5	82

PROD-IDENT: 861703	MASS KG: 10051	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	386	482	35.5	80

PROD-IDENT: 861702	MASS KG: 10231	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	386	482	35.5	80

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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PROD-IDENT: 861591      MASS KG: 9951      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	

PROD-IDENT: 861590      MASS KG: 10321      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	

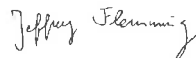
CHEMICAL COMPOSITION in %												
B07	CAST NR.	C71 C	C72 Mn	C73 P	C74 S	C75 Si	C76 Al	C77 Cu	C78 Cr	C79 Ni	C80 Mo	C81 Nb
	S9899	0.069	0.500	0.012	0.005	0.008	0.032	0.025	0.030	0.029	0.003	0.026
	S9901	0.070	0.514	0.013	0.006	0.012	0.025	0.031	0.034	0.034	0.004	0.022
	S9903	0.065	0.499	0.012	0.006	0.009	0.032	0.038	0.033	0.032	0.004	0.026
	CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eq1				
	S9899	0.002	.0039	.0000	0.001	0.002	0.031	.163				
	S9901	0.003	.0029	.0000	0.001	0.002	0.024	.168				
	S9903	0.002	.0038	.0000	0.001	0.002	0.031	.161				

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

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Jeffrey Flemming  
Manager Mechanical Testing



IJmuiden, 2 July 2021