

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. 2021132258 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 4500051120 11001473  00030	A08 Order nr. 59253 C
	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	
		C70 STEEL MAKING PROCESS: BO
		B09, B10, B11 Dimensions 1500 mm X 4 mm
		B13 Total Mass KG 68309
		B08 Total NR. 6
		A11 Dispatch Note 87360
		A10 Transport NORDBORG

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

PROD-IDENT: 899995A      MASS KG: 11200      NR: 1      CAST NR: W7777      B07, B08, B13

TENSILE TEST <span style="float: right;">C10-29</span>							
C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	395	478	34.0	83

PROD-IDENT: 899994      MASS KG: 11969      NR: 1      CAST NR: W7777      B07, B08, B13

TENSILE TEST <span style="float: right;">C10-29</span>							
C01	C01/C02	C10	C03	C11	C12	C13	C16
			Temp (°C)	ReH (MPa)	Rm (MPa)	A (%)	ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	395	478	34.0	83

PROD-IDENT: 898474      MASS KG: 10081      NR: 1      CAST NR: W7371      B07, B08, B13

TENSILE TEST <span style="float: right;">C10-29</span>							
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	499	33.0	81

PROD-IDENT: 898473      MASS KG: 10301      NR: 1      CAST NR: W7371      B07, B08, B13

TENSILE TEST <span style="float: right;">C10-29</span>							
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	499	33.0	81

PROD-IDENT: 898472      MASS KG: 10311      NR: 1      CAST NR: W7371      B07, B08, B13

TENSILE TEST <span style="float: right;">C10-29</span>							
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	499	33.0	81

We hereby confirm that we comply to the terms of our order acknowledgement and any agreed concessions.

Tata Steel IJmuiden BV

Jeffrey Flemming  
General Manager

*Jeffrey Flemming*

IJmuiden, 1 December 2021

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PROD-IDENT: 896488      MASS KG: 14447      NR: 1      CAST NR: W7002      B07,B08,B13

**TENSILE TEST** C10-29

C01	C01/C02	C10	C03 Temp (°C)	C11 ReH (MPa)	C12 Rm (MPa)	C13 A (%)	C16 ReH/Rm (%)
Bottom Middle	Surface Longitudinal	Prismatical	+20	386	478	35.5	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
W7777	0.069	0.505	0.009	0.007	0.010	0.029	0.018	0.028	0.027	0.004	0.026
W7371	0.070	0.503	0.010	0.005	0.011	0.034	0.033	0.046	0.031	0.005	0.028
W7002	0.066	0.517	0.010	0.006	0.009	0.030	0.030	0.041	0.022	0.004	0.026
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eql				
W7777	0.003	0.0036	0.0000	0.001	0.005	0.028	163				
W7371	0.005	0.0025	0.0000	0.002	0.005	0.033	169				
W7002	0.002	0.0036	0.0000	0.001	0.002	0.029	165				

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

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Jeffrey Flemming  
General Manager



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