

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.com	A03 Doc nr. 2022030767 00		A04  <b>TATA STEEL</b>
	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 4500058630 11001475 00010	A08 Order nr. 53889 A	
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 +0.15/-0.15 mm). Country of Melt and Pour : Netherlands		C70 <b>STEEL MAKING PROCESS: BO</b>
	B09,B10,B11 Dimensions 1500 mm X 5 mm		B13 Total Mass KG 50245
			B08 Total NR. 5
			A10 Dispatch Note 37680

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

C50

PROD-IDENT: 730033	MASS KG: 10101	NR: 1	CAST NR: Z1165	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	397	481	34.0	83

PROD-IDENT: 730032	MASS KG: 10101	NR: 1	CAST NR: Z1165	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	397	481	34.0	83

PROD-IDENT: 729973A	MASS KG: 9591	NR: 1	CAST NR: Z1165	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	395	485	32.5	81

PROD-IDENT: 729972	MASS KG: 10231	NR: 1	CAST NR: Z1165	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	395	485	32.5	81

PROD-IDENT: 729970	MASS KG: 10221	NR: 1	CAST NR: Z1165	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	395	485	32.5	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



IJmuiden, 25 March 2022

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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
	Z1165	0.075	0.503	0.019	0.005	0.012	0.038	0.009	0.019	0.013	0.002	0.026
	CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eql				
	Z1165	0.002	.0025	.0000	0.001	0.001	0.037	.165				
C-eql: $C + Mn/6 + (Cr + Mo + V)/5 + (Ni + Cu)/15$												

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*Jeffrey Flemming*

Page 2 of 2

201,202