

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. 2021101660 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 4500045931 11001477  00040	A08 Order nr. 55276 D
	B01,B02,B03,B04,B15 Hot rolled pickled, Coil, S355MC, YMPRESS WG S:01-2010, 1.00 G/M2/Side oiled, Mill edges, Impact test, Tolerance EN 10051 : 2010 (E) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.16/-0.16 mm), Country of Melt and Pour : Netherlands	
		C70 STEEL MAKING PROCESS: BO
		B09,B10,B11 Dimensions 1500 mm X 6 mm
		B13 Total Mass KG 72176
		B08 Total NR. 5
		A11 Dispatch Note 64048
		A10 Transport ANKIE

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

C50

PROD-IDENT: 879552      MASS KG: 14427      NR: 1      CAST NR: W3806      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	421	502	30.5	84

IMPACT TEST AND OTHER TESTS

C40,C60,C65

C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40,C60,C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	5.1	ISO-V	J	92	95	106	98

PROD-IDENT: 879551      MASS KG: 14827      NR: 1      CAST NR: W3806      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	421	502	30.5	84

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C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40,C60,C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	5.1	ISO-V	J	92	95	106	98

PROD-IDENT: 879549      MASS KG: 13448      NR: 1      CAST NR: W3806      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	419	496	30.5	84

IMPACT TEST AND OTHER TESTS

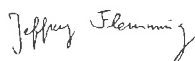
C40,C60,C65

C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40,C60,C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	5.1	ISO-V	J	86	94	91	90

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, 12 September 2

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	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 4500045931 11001477 00040	A08 Order nr. 55276 D	

PROD-IDENT: 879548      MASS KG: 14817      NR: 1      CAST NR: W3806      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	419	496	30.5	84

IMPACT TEST AND OTHER TESTS      C40,C60,C65

C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40,C60,C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	5.1	ISO-V	J	86	94	91	90

PROD-IDENT: 875415      MASS KG: 14657      NR: 1      CAST NR: W0664      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	413	491	29.5	84

IMPACT TEST AND OTHER TESTS      C40,C60,C65

C01	C01/C02	C10	C03 Temp °C	B05	C41 mm	C40,C60,C65	C44	C42 ind.	C42 ind.	C42 ind.	C43 mean
Bottom Middle	Surface Longitudinal	Prismatical	-20	0	5.0	ISO-V	J	88	92	90	90

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
W3806	0.072	1.036	0.015	0.006	0.011	0.033	0.019	0.031	0.032	0.005	0.022
W0664	0.071	1.002	0.010	0.006	0.009	0.035	0.010	0.021	0.019	0.002	0.026
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al <sub>20</sub>	C88 C-eq1				
W3806	0.007	.0032	.0000	0.001	0.002	0.028	.257				
W0664	0.003	.0030	.0000	0.001	0.001	0.033	.245				

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

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Jeffrey Flemming  
General Manager



IJmuiden, 12 September 2