

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. 2022055817 00		A04 TATA STEEL
	A02 Inspection certificate 3.1, EN10204.		
	A07, A09 Reference 4500060468 11001475 00010	A08 Order nr. 54887 A	
	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 (R) (Width tolerance +20/-0 mm) Dev.Tol. (Thickness tolerance +0.15/-0.15 mm). Country of Melt and Pour : Netherlands		
A06 Customer/Consignee NAANTALI STEEL SERVICE CENTRE OY RAUTAKATU 5 21110 NAANTALI FINLAND	C70 STEEL MAKING PROCESS: BO		
	B09,B10,B11 Dimensions 1500 mm X 5 mm		
	B13 Total Mass KG 85043	B08 Total NR. 8	
	A11 Dispatch Note 57424	A10 Transport ANDREA	

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

PROD-IDENT: 746507 MASS KG: 10041 NR: 1 CAST NR: Z6870 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	391	474	34.0	82

PROD-IDENT: 745822B MASS KG: 9041 NR: 1 CAST NR: Z6766 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	389	478	33.0	81

PROD-IDENT: 745822A MASS KG: 9061 NR: 1 CAST NR: Z6766 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	389	478	33.0	81

PROD-IDENT: 745820 MASS KG: 10401 NR: 1 CAST NR: Z6766 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	389	478	33.0	81

PROD-IDENT: 745815 MASS KG: 11300 NR: 1 CAST NR: Z6771 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	388	472	35.0	82

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, 3 June 2022

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	A07, A09 Reference 4500060468 11001475 00010	A08 Order nr. 54887 A	

PROD-IDENT: 745814 MASS KG: 11620 NR: 1 CAST NR: Z6771 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	388	472	35.0	82

PROD-IDENT: 745813 MASS KG: 11600 NR: 1 CAST NR: Z6771 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	389	472	33.0	82

PROD-IDENT: 745812 MASS KG: 11979 NR: 1 CAST NR: Z6771 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	389	472	33.0	82

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
Z6870	0.076	0.499	0.013	0.006	0.009	0.036	0.008	0.019	0.017	0.002	0.026
Z6766	0.072	0.495	0.016	0.007	0.011	0.039	0.009	0.019	0.018	0.002	0.025
Z6771	0.075	0.504	0.016	0.007	0.009	0.038	0.008	0.029	0.017	0.001	0.026
CAST NR.	C82 V	C83 N	C84 B	C85 Ti	C86 Sn	C87 Al_ZO	C88 C-eql				
Z6870	0.002	.0030	.0000	0.001	0.002	0.035	.165				
Z6766	0.002	.0025	.0000	0.001	0.002	0.037	.161				
Z6771	0.002	.0028	.0000	0.001	0.001	0.036	.167				

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

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IJmuiden, 3 June 2022